

IMPROVEMENT NUMBER.

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COMMISSION MERCHANTS

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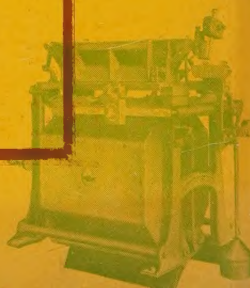
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# Directory of the Grain Trade

\*Member Grain Dealers National Association

## AMARILLO, TEX.

Early Grain & Elev. Co., whol. grain, hay, seed.

## ATCHISON, KANS.

Blair Elevator Co., receivers and shippers.

## ATLANTA, GA.

Gregg & Son, J., wholesale brokers, grain, hay.\*

## AUGUSTA, GA.

Lamb & Hollingsworth, flour, grain, provisions.

## BALTIMORE, MD.

Baltimore Commission Co., grain commission.  
Blackburn & Co., C. P., grain recvrs., exporters.\*  
Clark & Sons, Thos. S., grain receivers.\*  
England & Co., Chas., grain, hay.\*  
Fahey & Co., John T., gr'n receivers and expts.\*  
Frisch & Co., J. M., grain and hay receivers.\*  
Gill & Fisher, receivers and shippers of grain.  
Hammond, Snyder & Co., Inc., receivers, expts.\*  
Har & Co., G. A., grain, hay, seeds.  
Herzer & Son, Gustav, grain, seeds, hay.  
Jones & Co., H. C., grain and hay.\*  
Kirwan Bros. Grain Co., grain and hay.\*  
Lederer Bros., grain receivers.\*  
Manger & Co., J. A., grain, seeds, hay.\*  
Muller Co., Louis, receivers and exporters.\*  
Pitt Bros. & Co., receivers and exporters.\*  
Robinson & Jackson, grain receivers.\*

## BATTLE CREEK, MICH.

McLane, Swift & Co., grain buyers.\*

## BERNE, IND.

Egly, C. G., grain, hay and seeds.

## BINGHAMTON, N. Y.

Empire Grain & Eltr. Co., grain feed shippers.

## BLACKWELL, OKLA.

Bentke Bros., hay, grain and alfalfa meal.

## BLOOMINGTON, ILL.

Baldwin Grain Co., brokers.  
Hasenwinkle Grain Co., brokers.  
Slick & Co., L. E., buyers and shippers.

## BOSTON, MASS.

Benzaquin, Matthew D., grain, brokerage, com'm.  
Jordan, A. W., grain broker.  
McLean Alpine Co., The, hay and grain.  
Ranlet Co., The D. W., grain and millfeed.  
Ronald, Thos., grain broker, export and domestic.

## BOURBON, IND.

Deip Grain Co., E. E., grain and mill feeds.

## BOZEMAN, MONT.

Benepe-Berglund Grain Co., Mont., oats & barley.

## BUFFALO, N. Y.

Alder Grain Co., grain commission.\*  
Buffalo Cereal Co., grain.\*  
Burns, Basil, grain commission.  
Churchill Grain & Seed Co., buyers, shippers.\*  
Eastern Grain Co., grain commission.\*  
Electric Grain Elevator Co., receivers and shippers.  
Harold, A. W., grain, barley a specialty.  
Heathfield, W. G., strictly commission.  
Irwin, Dudley M., barley.  
Pratt & Co., grain commission.\*  
Townsend-Ward Co., grain commission.\*  
Waters, Henry D., grain commission.  
Whitney-Eckstein Seed Co., seeds.

## BUSHNELL, ILL.

Cole, G. W., grain broker.

## CAIRO, ILL.

Antrim & Co., H. S., receiver and shipper.\*  
Halliday Elevator Co., corn, oats.\*  
Halliday Mfg. Co., H. L., soft, red winter wheat.  
Wages Grain Co., grain.\*  
Thistlewood & Co., grain and hay.

## CEDAR RAPIDS, IA.

Cedar Rapids Gr. Co., grain receivers and shippers.

## CHAMPAIGN, ILL.

Baldwin & Co., H. L., grain brokers.  
Edwards, A. H., grain broker.  
Tankersley & Co., grain brokers.

## CHICAGO, ILL.

Anderson & Co., W. P., receivers & shippers.\*  
Armour Grain Co., grain buyers.\*  
Balley & Co., E. W., grain commiss'n merchants.\*  
Barrell & Co., Finley, grain, stocks, provisions.\*  
Bennett & Co., Jas. B., receivers, shippers.\*  
Bogert, Maltby & Co., commission merchants.\*  
Crighton & Lasler, grain commission.\*  
Delany, Frank J., commission merchant.  
Dickinson Co., The Albert, seeds.\*  
Dole & Co., J. H., grain and seeds.\*  
Elmore, Squire & Co., receivers and shippers.  
Fitch & Co., Walter W. K., Mitchell, Mgr.\*  
Fraser Co., W. A., grain commission.\*  
Freeman & Co., Henry H., grain, hay, straw.  
Gerstenberg & Co., grain, seeds.\*  
Griffin & Co., J. P., grain commission.  
Hately Bros., grain and provisions.  
Holt & Co., Lowell, commission, grain & seeds.  
Hooper Grain Co., receivers, shippers.\*  
Lamson Bros. & Co., consignments solicited.\*

## CHICAGO—Continued.

Lipsey & Co., grain commission.  
Mann, G. S., seed bkr., field seeds, poultry grain.  
McKenna & Rodgers, commission merchants.\*  
Merrill & Lyon, commission merchants.\*  
Merritt Co., W. H., grain, seeds.\*  
Mumford & Co., W. R., hay & grain commission.  
Nash-Wright Grain Co., grain, prov., seeds.  
Paynter, H. M., grain and field seeds.\*  
Peavey Grain Co., receivers, shippers.\*  
Perrine & Co., W. H., grain and commission.  
Pross & Co., W. G., grain, provisions, stocks, etc.  
Rang & Co., Henry, grain commission.  
Requa Brothers, grain commission.\*  
Rogers & Bro., H. W., grain and seeds.  
Rogers Grain Co., buyers and shippers.  
Rosenbaum Bros., receivers, shippers.\*  
Rumsey & Company, grain commission.\*  
Sawyers Grain Co., grain commission.\*  
Schiffilin & Co., P. H., commission.\*  
Shaffer & Co., J. O., buyers and shippers.\*  
Sincere & Co., Chas., N. Y., stocks, Chicago grain.  
Somers, Jones & Co., grain and field seeds.\*  
Soule, H. F. & Co., grain & provisions.  
Thayer & Co., Clarence H., commission.  
Uplake Commission Co., grain commission.\*  
Yantis & Co., S. W., grain commission.  
Wagner Co., E. W., receivers and shippers.\*  
Ware & Leland, grain, seeds.  
Wilson & Co., B. S., grain commission.  
Wright & Co., Jno. R., commission merchants.

## CHICKASHA, OKLA.

Farrington, J. B., Seed House, seed corn.

## CINCINNATI, O.

Allen & Munson, grain, hay, flour.\*  
Barnes, W. H., grain, hay and mill feed.  
Bender, A., grain, brokerage & com'n.  
Brown & Co., W. L., receivers and shippers.  
Cincinnati Grain Co., commission merchants.  
Early & Daniel Co., grain and hay.\*  
Ellis & Fleming, grain and hay.\*  
Fitzgerald Bros., grain & hay commission.  
Gale Bros. Co., grain, hay, feed.\*  
Gray, Ralph, receiver & shipper.  
London & Co., grain commission.  
Richter Gr. Co., grain, hay, flour and feed.  
Standard Hay & Grain Co., grain, hay and feed.  
Van Leunen & Co., Paul, grain consignments.  
Whitcomb & Root, hay, grain and mill feed.

## CLARKSBURG, W. VA.

United Brokerage Co., grain, hay, feed.

## CLEVELAND, O.

Abel Bros., hay, grain, feed.  
Bailey, E. I., grain and millfeed.\*  
Bennett, W. A., receivers grain, hay & millfeed.  
Cleveland Grain Co., The, receivers and shippers.\*  
Gates Elevator Co., grain, hay, straw.\*  
Sheets Bros., Eltr. Co., The, grain, hay, straw.  
Star Eltr. Co., receivers, grain, hay, straw.  
Strauss & Co., H. M., grain, seeds, hay.\*  
Union Elevator Co., grain, hay and salt.\*

## COLORADO SPRINGS, COLO.

Seldomridge Grain Co., grain dealers.

## COLUMBUS, O.

Stritmatter, Edward, grain merchant.

## CRAWFORDSVILLE, IND.

Crabbs-Reynolds-Taylor Co., grain, seeds.\*

## CROWLEY, LA.

Lawrence Bros., Co., Ltd., grain, seed and feed.

## CUMBERLAND, MO.

Marley & Co., grain and hay distributors.

## DANVILLE, ILL.

McConnell, R. B., grain dealer.

## DAVENPORT, IOWA.

Rothschild Grain Co., D., grain merchants.\*

## DECATUR, ILL.

Baldwin & Co., H. L., grain brokers.

## DENVER, COLO.

Ady & Grove Mercantile Co., grain, hay.\*  
Crescent Mill & Eltr. Co., flour and grain.  
Denver Comm. & Grain Co., grain and hay.  
Longmont Farmers Mill & Eltr. Co., flour, grain.  
Scott, E. E., broker grain, cottonseed meal, bags.  
Thompson Merc. Co., W. F., hay and grain.

## DES MOINES, IA.

Lockwood Grain Co., B. A., grain & millfeeds.

## DETROIT, MICH.

Dumont, Roberts & Co., receivers, shippers.\*  
Hart Grain Co., recvrs. & shippers, grain beans.  
Hobart, H. M., grain, hay and millfeeds.\*  
Lapham & Co., J. S., recvrs., & shippers of grain.\*

## DILLON, MONT.

Dillon Grain Co., grain, flour, feed and hay.

## DIXON, ILL.

Forrest Utley Co., grain, mill feed and screenings.

## DULUTH, MINN.

Turle & Co., grain commission.

## EL RENO, OKLA.

El Reno Mill & Eltr. Co., grain buyers & shippers.

## ENID, OKLA.

Johnston, W. B., grain, feed, seeds & hay.

## EVANSVILLE, IND.

Small & Co., W. H., field seeds, grain and hay.

## FAIRBURY, ILL.

Keller, Emil, grain broker and track buyer.

## FORT WORTH, TEX.

Kelp, E. R. & D. C., grain and seed dealers.\*  
Terminal Grain Co., receivers, shippers.  
Werner Wilkens Grain Co., receivers & shippers.

## FRANKFORT, IND.

Frank & Co., Wm., grain brokers.

## GALVESTON, TEX.

Fordtran, J. S., grain commission merchant.  
Jockusch, Davison & Co., grain, hay exporters.  
Wisrodt Grain Co., wholesale grain eltr. facilities.

## GREENVILLE, O.

Grubbs Grain Co., E. A., track buyers.\*

## HARRISBURG, PA.

Harrisburg Feed & Gr. Co., grain, feed, hay.

## INDIANAPOLIS, IND.

Coppock, J. F., grain and hay, car lots.\*  
Finch-McComb & Co., grain commission.  
Hooser Grain Co., specialty yellow corn.  
Jackson Grain Co., Cary, receivers & shippers.  
Jordan & Montgomery Co., wholesale grain.  
Kinney Grain Co., H. E., receiver and shipper.\*  
Minor, B. B., grain consignments solicited.  
Stebbins-Witt Grain Co., commission & brokerage.

## JACKSON, MICH.

Shelden, Willis E., track buyer of grain.\*  
Stockbridge Elevator Co., grain, beans, hay.\*

## JACKSONVILLE, FLA.

Wiggs & Co., W. A., hay, grain & mill stuffs.\*

## JACKSONVILLE, TEX.

Reinhardt & Co., grain, flour, hay and feed.

## KANSAS CITY, MO.

Beach Grain Co., grain commission.  
Benton Grain Co., screenings and seeds.  
Christopher & Co., B. C., grain and seeds.\*  
Davis & Co., A. C., grain commission.\*  
Ernst-Davis Grain Co., commission.\*  
Goffe & Carkner, recvrs. and shippers of grain.\*  
Hinds & Lint Grain Co., receivers, shippers.  
Home Grain Co., grain merchants.  
House & Co., B. J., grain, hay and mill feed.  
Lichtig Gr. Co., Henry, screenings, kafir corn, feed.  
Logan Bros. Grain Co., grain commission.  
Lonsdale Grain Co., grain receivers.  
Moore Grain Co., receivers and shippers.\*  
Moore-Lawless Grain Co., grain receivers.  
Moss Grain Co., barley a specialty.  
Murphy Grain Co., strictly commission.\*  
Norris Grain Co., grain merchants and exporters.  
Peirson-Lathrop Grain Co., commission mchts.\*  
Roehen-Cary Grain Co., grain, flour, millfeed.\*  
Shannon Grain Co., grain merchants.\*  
Steele & Co., H. H., grain and seeds.\*  
Thresher Fuller Grain Co., grain commission.\*  
Vandershee-Lynds Co., grain commission.

## KENTLAND, IND.

McCray, Morrison & Co., track buyers.\*

## KINGFISHER, OKLA.

Kingfisher Grain & Alfalfa Mill, pure alfalfa meal.

## LA FAYETTE, IND.

Alder Grain Co., grain commission.\*

## LINCOLN, NEB.

Lincoln Grain Co., receivers, shippers.

## LITTLE ROCK, ARK.

Brook-Rauch Mill & Eltr. Co., corn and millfeed.  
Gordy Co., C. L., grain and millfeed brokers.  
Hayes Grain & Com. Co., grain, hay, mill feeds.

## LOUISVILLE, KY.

Bingham-Hewett Grain Co., recrs. & shprs. grain.\*  
Brandels & Son, A., receivers & shippers of grain.  
Callahan & Sons, grain.\*  
Edinger & Co., grain, hay, flour.  
Farmer & Sons, Oscar, hay and grain.  
Fruechtenicht, Henry, grain & hay.  
Schuff & Co., A. C., grain & hay.  
Thomson & Co., W. A., corn, oats & rye.  
Verhoeff & Co., H., receivers and shippers grain.\*  
Zorn & Co., S., grain.\*

## MCGREGOR, TEX.

McGregor Mfg. & Gr. Co., Sante Fe, grn., seeds.

## MCKINNEY, TEXAS.

Reinhart Grain Co., wholesale grain and hay.



# Directory of the Grain Trade

\*Member Grain Dealers National Association.

## MEMPHIS, TENN.

Davis & Andrews Co., grain dealers.\*  
Jones & Rogers, grain dealers.\*  
McLaughlin Coal & Grain Co., grain and hay.\*  
Moon & Co., W. D., receivers and shippers.  
Patterson & Co., G. B., receivers and shippers.\*  
Scruggs, Robinson & Co., grain, hay and mill f'ds.  
Wade & Sons, John, grain, hay and commission.\*  
Webb & Maury, grain and hay.\*  
West & Co., J. C., grain and hay commission.\*

## MERCER, MO.

Alley-Staff Grain Co., oats, corn, wheat, seeds.\*

## MIDDLE POINT, OHIO.

Pollock Grain Co., grain, hay and straw.

## MILWAUKEE, WIS.

Bartlett & Son Co., L., grain commission.  
Bell & Co., W. M., grain and seeds.\*  
Coughlin Co., T. C., grain commission.  
Courteen, S. G., field seeds.  
Deutsch & Sickert Co., shippers grain, flour, feed  
Dingwall Co., C. E., grain, feed and screenings.  
Donahue-Stratton Co., grain, feed, mlg. wheat.\*  
Fagg & Taylor, grain merchants.\*  
Franko Grain Co., grain and feed.  
Johnstone & Templeton, grain commission.  
Kamm & Co., P. C., barley and rye.\*  
Lauer & Co., J. V., grain commission.  
Lowry & Co., I. H., grain commission.\*  
Mereness & Gifford, grain commission.  
Owen & Co., O. C., grain commission merchants.  
Rialto Eltr. Co., grain receivers & shippers.  
Stacks & Kellogg, grain merchants.  
Wissbeck-Grunwald Co., grain and feed.

## MINNEAPOLIS, MINN.

Atwood-Stone Co., grain commission.  
Brown & Co., E. A., commission.  
Cargill Commission Co., grain commission.  
Carter, Sammie & Co., grain commission.  
Davies & Co., F. M., grain commission.  
Fraser-Smith Co., grain commission.  
Gatchell-Tanton Co., grain commission.  
Hankinson & Co., H. L., grain commission.  
Marfield-Tearse Co., grain commission.  
McIntyre-Frerich Co., grain commission.  
Minneapolis Seed Co., field seeds.  
Nye, Jenks & Co., grain commission.  
Riheldaffer Co., J. H., grain commission merchants  
Turle & Co., grain commission.  
Van Dusen-Harrington Co., grain merchants.\*  
Welch Co., E. L., grain commission.  
Wernli-Anderson Co., grain commission.  
Zimmerman, Otto A., barley specialist.

## MOBILE, ALA.

Mertz & Co., G., flour, grain & vegetables.\*

## MONROE, O.

Kyle & Rodgers, buyers and shippers of grain.

## MONTGOMERY, ALA.

Dahlberg Brokerage Co., Inc., brokers and dealers.

## NASHVILLE, TENN.

Hughes Warehouse & Eltr. Co., grain.  
Rose, Caswell E., corn, oats, hay.

## NEWARK, N. J.

Smith & Wallace Co., J. C., receivers, shippers.

## NEW YORK CITY.

Oushing & Brandt, grain commission, buyers.\*  
Forbell & Kipp, grain commission.\*  
Morey Co., L. A., grain brokers.\*  
Robinson, G. B., Jr., grain and mill feeds.  
Schwartz, B. F., brokerage and commission.\*  
Ulrichs & Hebert, grain commission and brokers.

## NORFOLK, VA.

Cofer & Co., J. H., wholesale grain.  
Scott & Co., Inc., S. D., wholesale hay & grain.

## OKLAHOMA CITY, OKLA.

Chowning Grain Co., grain and feed.  
Hanna Grain Co., grain, hay, seeds, alfalfa meal.  
Kolp, E. B. & D. C., grain and seed dealers.  
Robey Grain Co., R. E., grain broker.

## OMAHA, NEB.

Beal-Vincent Grain Co., receivers, shippers.\*  
Cavers Elevator Co., receivers and shippers.\*  
Crowell Lumber & Grn. Co., recvrs, shippers.\*  
Holmquist Eltr. Co., receivers and shippers.  
Huntley Com. Co., receiver and shipper of grains.  
Hynes Grain Co., receivers and shippers of grain.  
Middle-West Elevator Co., receivers and shippers.  
Nebraska-Iowa Grain Co., receivers & shippers.\*  
Nordstrom-Richter Gr. Co., consignments.  
Omaha Elevator Co., receivers, shippers.\*  
Roberts Grain Co., grain commission.  
Saunders-Westrand Co., shippers of grain.  
Taylor Grain Co., receivers and shippers.\*  
United Grain Co., grain commission.  
Weekes Grain Co., receivers and shippers of grain.  
Welsh Grain Co., grain and hay commission.

## PENSACOLA, FLA.

Bonacker Bros., brokers, grain, hay and millfeed.\*

## PEORIA, ILL.

Arnold & Co., F. W., grain consignments solicited.  
Buckley, Pursley & Co., grain and seeds.\*  
Dewey & Sons, W. W., grain commission.  
Feltman, C. H., grain commission.  
Miles, P. B. & C. C., grain commission.\*  
Rumsey, Moore & Co., grain receivers.\*  
Tyng, Hall & Co., grain commission.\*

## PERRY, OKLA.

Perry Mill Co., wholesale dealers in grain.

## PHILADELPHIA, PA.

Baringer, M. F., grain and millfeed.\*  
Brazier, W. P., Mgr., Finley Barrell & Co.  
Clemmer, A. B., grain and feed broker.\*  
Clevenger, S. J., buyer and commission.\*  
Delp Grain Co., E. E., grain and millfeeds.\*  
Dunwoody Co., Ezl., flour, grain, feed.\*  
Fraser, C. C., grain and feed broker.  
Lemont & Son, E. K., hay, grain, mill feed.\*  
Miller & Sons, L. F., grain, seeds, hay.\*  
Pultz & Co., J. B., grain and feed.\*  
Richardson Bros., grain, flour, millfeeds.\*  
Rogers & Co., E. L., grain, hay.\*  
Stites, A., Judson, grain and millfeed.

## PIQUA, OHIO.

Kress Co., Harry W., track buyer, grain, hay.\*  
Spencer & Miller, grain, feed and seeds.

## PITTSBURG, PA.

Elwood & Co., R. D., hay and grain.  
Foster, O. A., grain, hay, feed.\*  
Geldel & Dickson, grain and hay.  
Hardman & Heck, grain, hay and millfeed.  
Heck & Co., W. F., grain, hay and mill feed.  
Herb Bros. & Martin, grain, hay and feed.  
McCaffrey's Sons Co., Daniel, hay, grain, mill feed.  
McOague, R. S., grain, hay.\*  
Smith & Co., J. W., grain, hay, feed.  
Stewart, D. G., & Geldel, grain, hay and feed.  
Walton Co., Sam'l., grain and hay.

## PLAINVIEW, TEX.

Cobb & Elliott Grain Co., grain, seeds, coal, etc.

## PUEBLO, COLO.

Cessna Gr. & Flour Co., P. A., grain, hay & flour.  
McClelland Mct'l I. & R. Co., grain, hay & feed.

## RICHMOND, VA.

Fairbank & Co., S. G., grain, hay, seeds.

## SAN ANTONIO, TEXAS.

Lupton, R., Whol. Grain & Cottonseed products.

## SIOUX CITY, IOWA.

Fahlenkamp Grain Co., A., grain commission.  
Interstate Grain Co., buyers and shippers.  
Sheperdson Co., M. T., grain dealers.\*

## ST. JOSEPH, MO.

Gordon Comm. Co., T. P., grain dlr. and broker.\*

## ST. LOUIS, MO.

Botto Grain Co., Jno. V., receivers & shippers.  
Brockman & Co., Arthur, receivers.  
Carlisle Comm. Co., S. S., receivers and shippers.  
Connor Bros. & Co., grain.\*  
Eaton, McClellan Com. Co., grain & hay.  
Goffe & Carkener Co., grain commission.\*  
Green Commission Co., W. L., grain.\*  
Kennedy Grain Co., receivers, shippers.  
McClelland & Co., F. M., grain and hay.  
Mullally Com. Co., John, grain, hay, seeds.\*  
Nanson Commission Co., grain commission.\*  
Pendleton Grain Co., receivers & shippers.\*  
Picker & Beardsley Com. Co., grain & grass seed.\*  
Powell & O'Rourke, receivers, shippers.\*  
Roberts Grain Co., grain commission.  
Toberman, Mackey & Co., consignments solicited.

## TERRE HAUTE, IND.

Kuhn & Co., Paul, receivers and shippers.\*

## TOLEDO, O.

DeVore & Co., H. W., grain and seeds.  
Goemann Grain Co., grain buyers.\*  
King & Co., C. A., grain, clover seed.\*  
National Milling Co., cash buyers wheat.\*  
Southworth & Co., grain commission.\*  
The Toledo Field Seed Co., clover, timothy.  
Wickenhiser & Co., John, recvrs. & shippers of gr.  
Zahn & Co., J. F., grain, seeds.\*

## TOPEKA, KANS.

Jolley & Blanchard, grain merchants.

## TORONTO, ONT.

Steele, Briggs Seeds Co., Ltd., field seeds.

## TRINIDAD, COLO.

Bancroft-Marty Feed & Produce Co., hay & grain.

## TULSA, OKLA.

Binding-Stevens Seed Co., grain & seeds.

## TYRONE, PA.

Miller's Sons, John H., receivers and shippers.

## WASHINGTON, D. C.

Anderson, E. M., grain brokers and millers agent.  
Clifton & Co., C. E., flour, grain and hay.

## WASHINGTON COURT HOUSE, OHIO

Fayette Grain Co., buyers and shippers of grain.  
Lloyd, O. E., shipper of klnh dried corn.

## WICHITA, KANS.

Craig Grain Co., J. W., receivers and shippers.  
Hastings & Co., grain brokers.  
Independent Grain Co., grain commission.  
McCullough Grain Co., grain commission.\*  
Western Grain Co., The, wholesale grain, seeds.

## WINFIELD, KANS.

Head Grain Co., grain, millfeed seeds.

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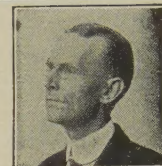
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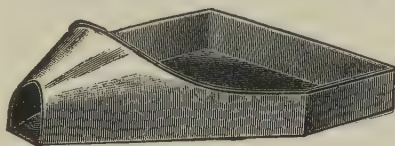
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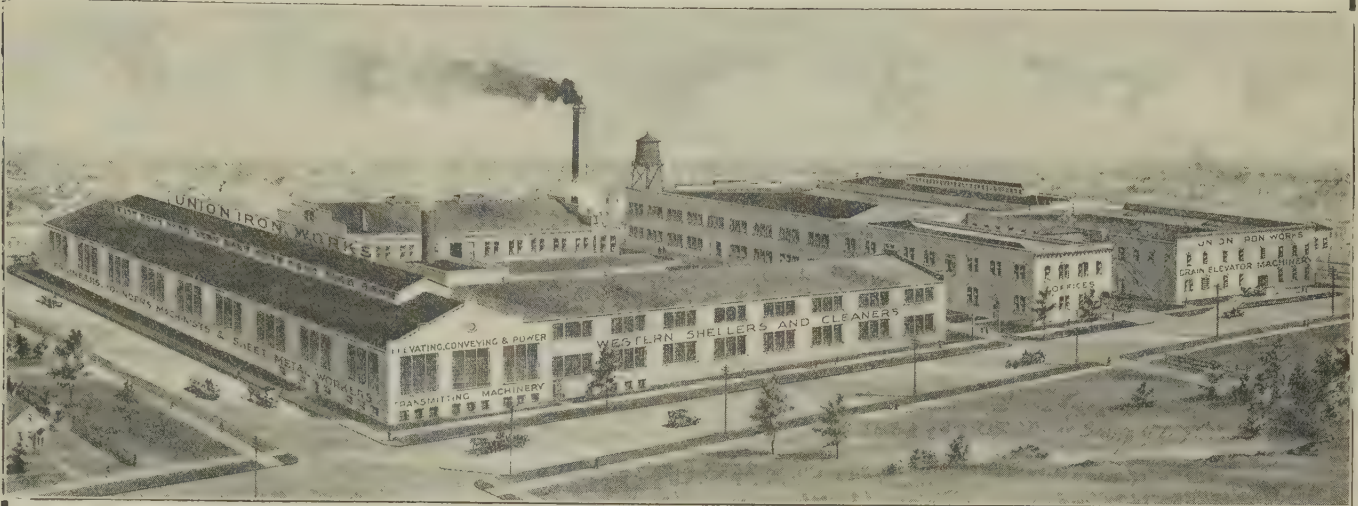
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## Plant and General Offices of Union Iron Works

Broadway, William and Morgan Sts., Decatur, Illinois, U. S. A.



Improvements are being made by the Union Iron Works this year in the way of new buildings and machinery, representing an expenditure of approximately \$100,000, with the result that, when completed, their plant will be one of the largest and best equipped in the United States; devoted exclusively to the manufacture of WESTERN machinery for grain elevators.

To meet the growing demands for their product, they are building a new foundry, machine shop, two storage rooms for finished stock, and a woodworking department. The former foundry building will be utilized as a forge and blacksmith shop; the old machine shop as an enlargement to the shipping department and erecting room, and the present woodworking department for sheet metal work.

Every department will be equipped throughout with elevators, traveling cranes, and the most modern machinery money can buy, enabling them to turn out the highest class of goods in the least possible time.

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### SHELLABARGER ELEVATOR CO.

Receivers and Shippers of  
GRAIN

W. L. Richeson, Esq.,  
Chief Inspector Board of Trade,  
New Orleans, La.

Decatur, Illinois.

Dear Sir—In answer to yours of the 6th would state that we consider the Western Sheller, manufactured by the Union Iron Works, Decatur, Ill., the best sheller on the market. We have three or four different kinds of shellers in use, but secure the best results from the "Western," and have adopted this as our standard, Trusting that this information will be of assistance to you, I am

Yours truly,

W. L. SHELLABARGER, Secretary.

### C. B. DELONG

Dealers in  
GRAIN AND FARM IMPLEMENTS

Union Iron Works,  
Decatur, Ill.

Fithian, Illinois.

Gentlemen—I enclose you check for sheller bought of you a few days ago. It is not due for 30 days, but the sheller works so good that I want you to have your money. I do not know how we ever got along with that other sheller. It would just worry us from morning till night, and from one year's end to the next. To run this is like being in another world. You could not take the corn off the cob with the other sheller, and this one you absolutely cannot find a grain on the cobs. As to power, the engineer says he cannot tell when the sheller is using power. I do not think that it pulls one-half as hard as the other.

Respectfully yours,

(Signed) C. B. DELONG.

### O. A. TALBOTT CO.

Incorporated  
GRAIN AND SEEDS

Union Iron Works,  
Decatur, Ill.

Keokuk, Iowa.

Gentlemen—In reply to your inquiry of April 13th as to how we like the No. 12 Separate Warehouse Sheller which we installed about six months ago, will say this machine is giving excellent satisfaction. We are especially well pleased with the screw feed, which does not break up the cobs so badly, and we find that bolts, monkey wrenches, hatchets, and a hundred other things which get into shellers handling ear corn, are not pushed into the sheller, but are worked down underneath the screw; consequently, our breakage has been much less than when we used the old style lugs.

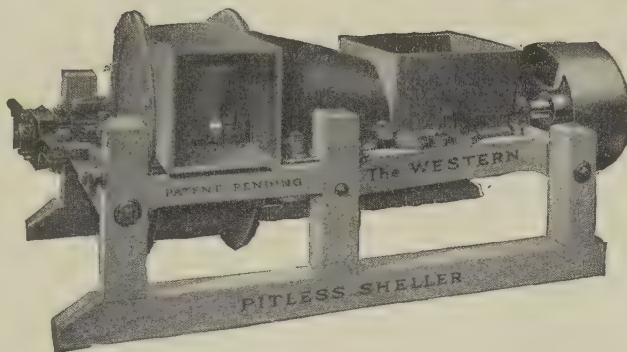
Yours truly,

O. A. TALBOTT CO.

We base the solicitation of your patronage on the above

**UNION IRON WORKS, Decatur, Ill.**





## WESTERN SHELLERS

is the solution of more than forty years of study over the problem of shelling corn. The result being that a Western Sheller meets every demand, assures perfect work and is the one with which all others are compared.

**WHERE AN IMPROVEMENT IS NEEDED, THE "WESTERN."**

There are more Western Shellers in operation today than those of any other make. This means the sheller meets the demand of the grain man, because of the ease in operation, the everlasting material used in construction, the slow running speed and the many improvements, such as, full term solid conveyor feeder, wide flaring hoppers, patent lever enabling the operator to adjust the cylinder instantly while running, to all conditions and kinds of corn.

"Installation assures Admiration."

READ WHAT OUR CUSTOMERS SAY ON OPPOSITE PAGE.

**UNION IRON WORKS, Decatur, Ill.**





## Other's Words Besides Our Own

Read What Your Fellow Grain Men Say About It

### CRABB & FITTON

Buyers and Shippers of  
GRAIN, HAY AND STRAW

Union Iron Works,  
Decatur, Ill.

New Harmony, Indiana.

Gentlemen—Replying to yours of the 13th will say that the No. 2 Western Gyrating Cleaner you sold us in December, 1907, has given perfect satisfaction. Has cost us practically nothing to keep it in repair, and it works as good as the best.

Respectfully,  
CRABB & FITTON.

### CRABBS, REYNOLDS, TAYLOR CO.

GRAIN AND FIELD SEEDS

Union Iron Works,  
Decatur, Ill.

Crawfordsville, Indiana.

Gentlemen—Replying to your favor of the 19th, will state that we have in use your gyrating cleaner at *New Market, Linden, Raubs, Crane, Riverside, West Point, Ash Grove, Smithson, Francesville*, and have the machinery on hand to install one at *Wingate*.

We are also anticipating the purchase of one of your machines for *Cherry Grove*.

These machines are all giving good satisfaction, and we can highly recommend them as the *best corn cleaners we have ever tried*.

You are at liberty to use our names in your advertisement as requested.

Yours truly,

CRABBS, REYNOLDS, TAYLOR CO.  
A. E. REYNOLDS, Pres.

### CHARLES HENN

Borton, Ill.

Union Iron Works,  
Decatur, Ill.

Borton, Illinois, 5/1/1911.

Gentlemen—The No. 0 Western Gyrating Cleaner, which I installed in my elevator nearly four years ago, has given the best of satisfaction.

It has fulfilled your guarantee in every sense of the word, and is strictly up to the standard of all Western machinery. I have never been able to choke this cleaner in any kind of grain. It always secures me good grades, and there have been no repair bills.

You have the best combination cleaner on the market, and I can cheerfully recommend it to my brother grain dealers.

Yours very truly,

CHARLES HENN.

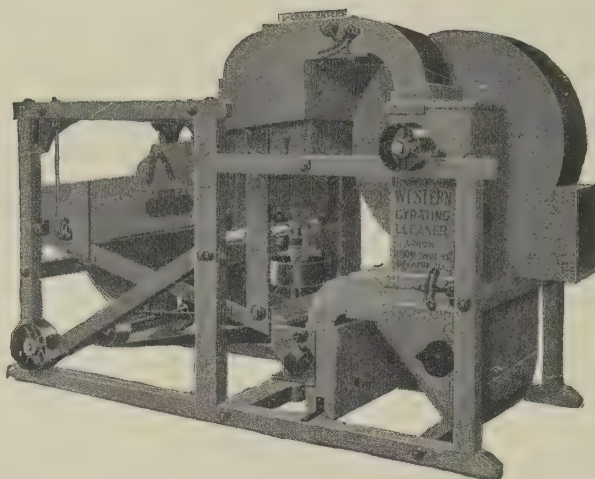
Is the basis of our claim clear to you?

UNION IRON WORKS, Decatur, Ill.





**Cleans all  
grains  
perfectly**



## The Western Gyrating Cleaner

**“A grain dealer’s security against POOR GRADES”**

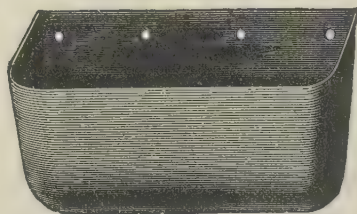
- Motion** This machine has three distinct motions: rotary, giving the cleaner great capacity; oscillating, assuring quick freedom of the screens; and the tossing motion positively preventing the screens clogging with small pieces of cob, etc.
- Screens** We use double screens, the top one being composed of a set of fingers over which the cobs pass from the receiving hopper, falling from these to a scalping screen of large perforations—this screen is also provided with a set of fingers making quick separation. The grain then falls on a screen of proper perforations to make a perfect separation. This lower screen is always kept clear of small particles of cob lodging in the meshes, and aided in cleaning by an automatic knocking device or vibrator, which constantly taps the screen, thus hastening the discharge of cobs and causing the grain of corn to settle to the bottom and fall through to the grain pan below. This grain pan runs under the full length of the lower screen, and carries and deposits the grain on a return pan which conveys it back to the fan leg, where the cleaning process is completed—the grain dropping down the fan leg, the screenings deposited in the vacuum chamber, and the dust and light particles to dust room.
- Fan** The fan is powerful and is provided with an upper suction which meets the grain as it passes through hopper to the riddles and takes out all loose husks, silk, etc., and keeps the room free from dust. Drafts are all automatically regulated by valves and slides.
- Design** The discharge is almost directly on a line below where the grain enters, and just at a natural point for reaching the bins or spouting to a car. In fact every particular catches the eye of the grain man familiar with setting and spouting to and from cleaners.
- Construction** The machine is extremely simple; built very strongly of the most durable material; braced thoroughly, preventing any possible racking.
- Dimensions** We invite the comparison of all, and fully believe it takes less floor space and height than any other cleaner of the same capacity.

**We claim Greater Capacity, Better Separation, Better Cleaning, More Evenly Balanced, Absolute Control, Greater Durability, and the Most Convenient and Least Expensive Machine to install.**

SEE FACING PAGE.

**UNION IRON WORKS, Decatur, Ill.**





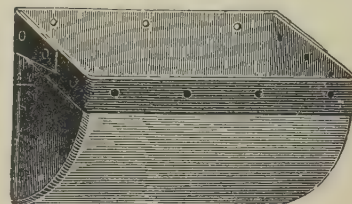
**Salem Steel Elevator Buckets**

We carry a large and complete stock of "Salem" elevator buckets for immediate shipment.



**Standard Steel Elevator Buckets for Large Capacity**

Well and strongly made, bound with heavy bands, braced in middle.



**Standard Steel Ear Corn Elevator Buckets**

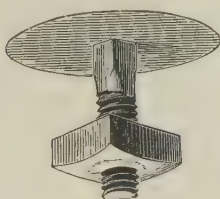
This bucket is made of smooth refined extra heavy steel; guarded with band iron firmly riveted to the body. Standard bucket for elevating ear corn or corn and cobs. Used in over 90 per cent of the elevators of this country.

**Elevator Bolts**



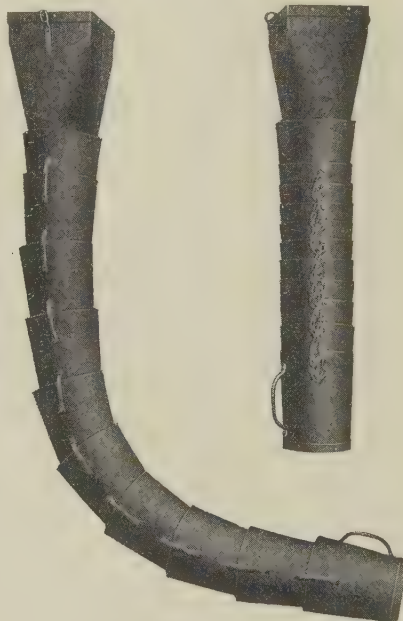
**Reliance Slotted Head Bolts**

Provided with ribs under the head, which enables the latter to be held with screw driver when nut is turned.

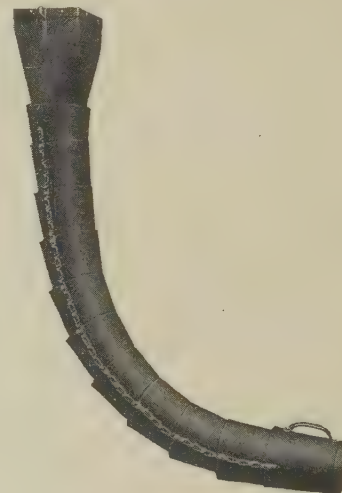


**Flat Head Bolts**

Very large, thin, flat heads, carefully finished.



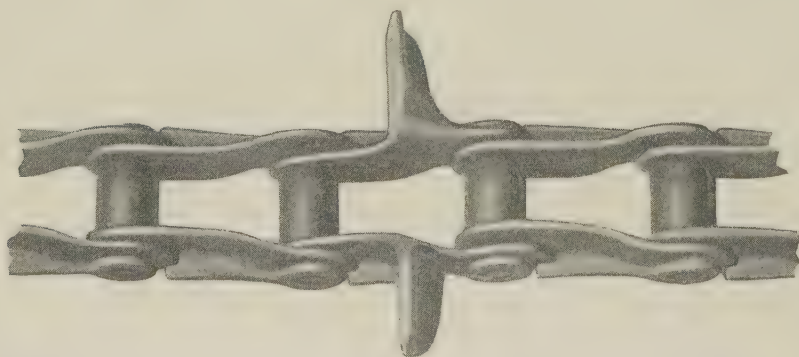
Standard—With Link Connections



Telescope—With Chain Connections, Both Open and Closed.

**Standard and Telescope Flexible Car Loading Spouts**

Each spout is coated with a heavy coat of the best black asphaltum paint. Round or square head.



**The Improved "Western" Chain Conveyor and Feeder**

Write for full description.

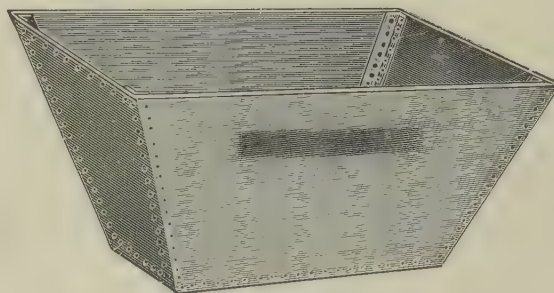
**UNION IRON WORKS, Decatur, Ill.**





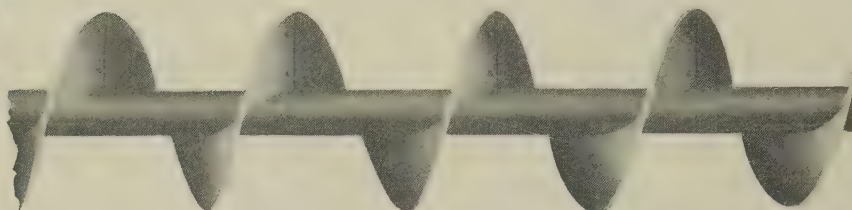
**"Western" Adjustable Cast Iron Boot**

and most complete. Made extra heavy; meets every requirement where a strong boot is necessary. Provided with adjustable bearings, pulley, shaft, etc. This boot is without exception the best on the market.



**Steel Tanks for Elevator Boots**

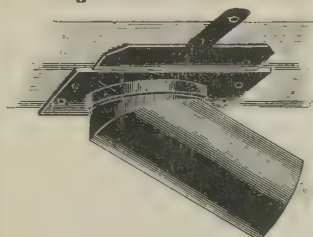
Steel tanks are the only preventive known for water damage of grain.



**"Western" Cold Rolled Sectional Flight Spiral Conveyor**

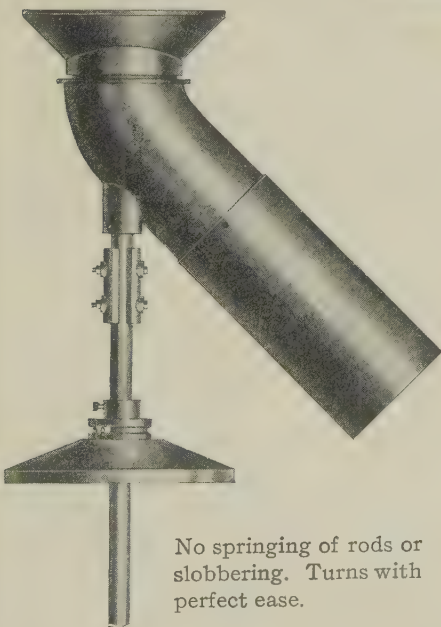
Flights are cold rolled, riveted together. Our conveyor is interchangeable with all standard makes.

**Wrought Steel Turn Heads**



**"Western" Ball-Bearing Cast Iron Turn Heads**

make life easier for the operator.



No springing of rods or slobbering. Turns with perfect ease.

**"Western" Indicator Stands**



Insure against mixing or mistakes.



*Rack and Pinion*



*Ratchet and Lever*

**Feed Gates for Elevator Legs**

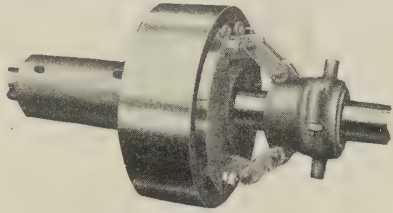
We have patterns for the above gates and they are generally used where gates of large capacity are desired.

UNION IRON WORKS, Decatur, Ill.



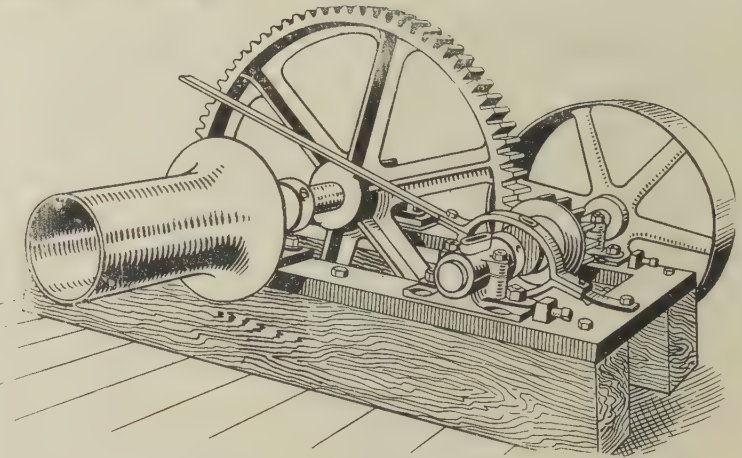


### The "Western" Friction Clutch



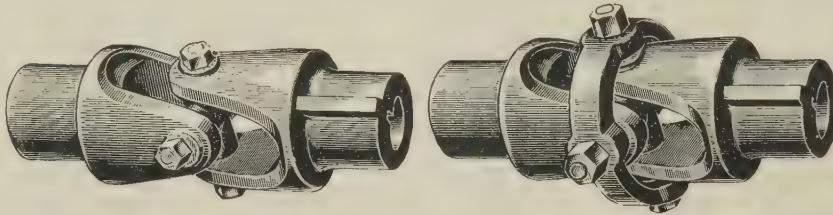
#### A Clutch of Merit

Has already replaced a number of other clutches where a strong clutch was needed.



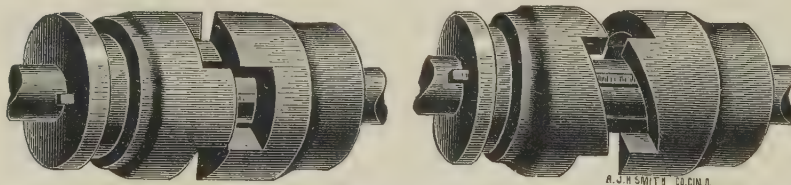
### "Western" Standard Car Puller

This Car Puller is of modern design, powerful and durable, and is very conservatively rated as to capacity.

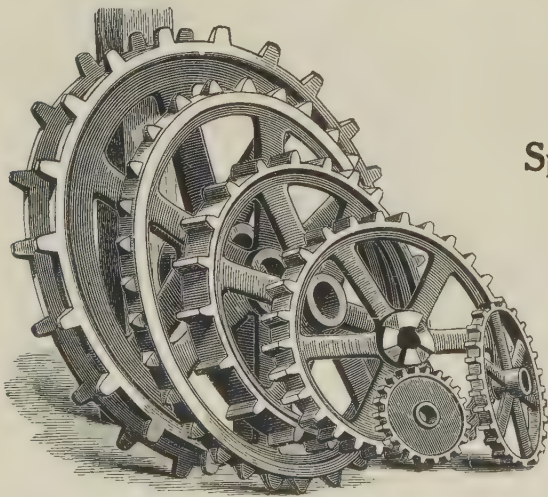


### Universal Couplings

Both ring and knuckle types.

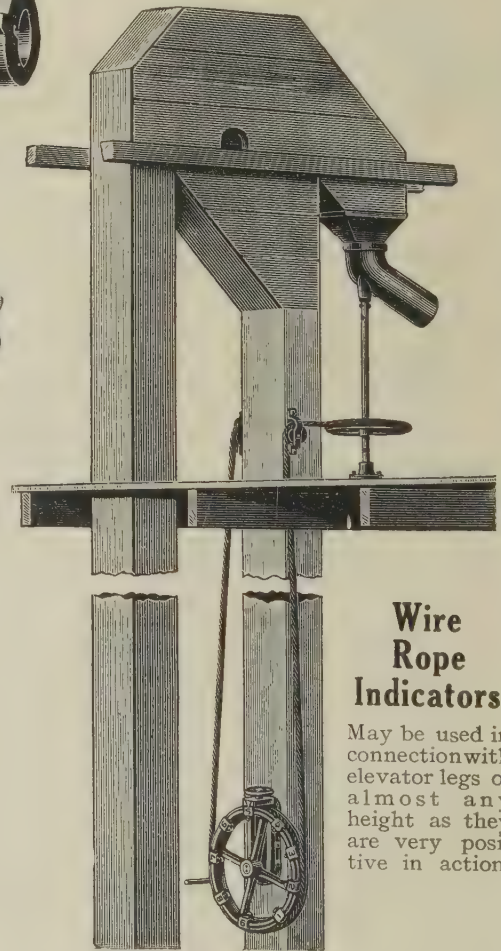


### Square and Spiral Jaw Clutch Couplings



### Sprocket Wheels

We have patterns for all standard sizes, and are prepared to furnish them promptly.



### Wire Rope Indicators

May be used in connection with elevator legs of almost any height as they are very positive in action.

**UNION IRON WORKS, Decatur, Ill.**





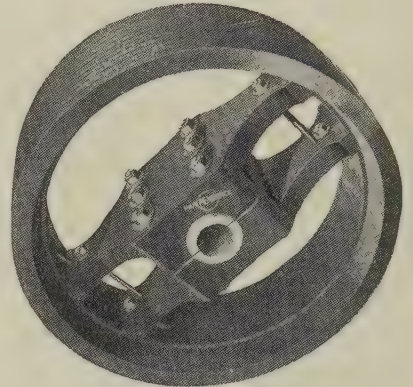
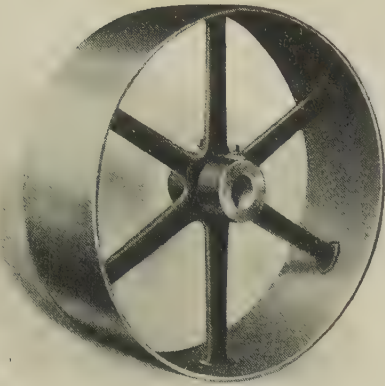
## Pulleys

### Machine Moulded Cast Iron Pulleys.

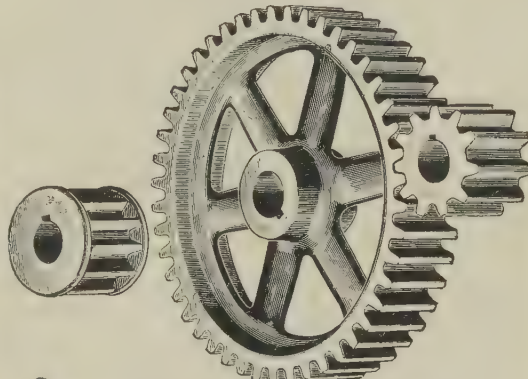
Our pulleys are all turned, bored, balanced, painted and provided with Set Screws or Key Seats, as may be desired.

### Wood Split Pulleys.

We carry a large complete stock, so that we can furnish them in regular sizes promptly from stock.



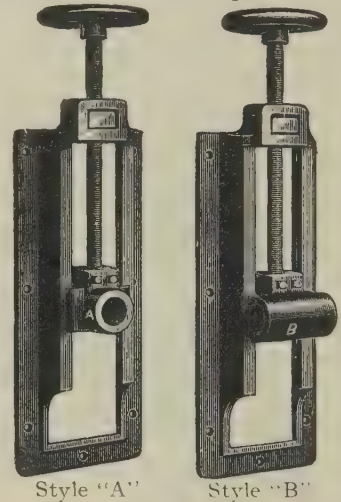
### Plain Spur Gears.



### Plain Bevel and Miter Gears.

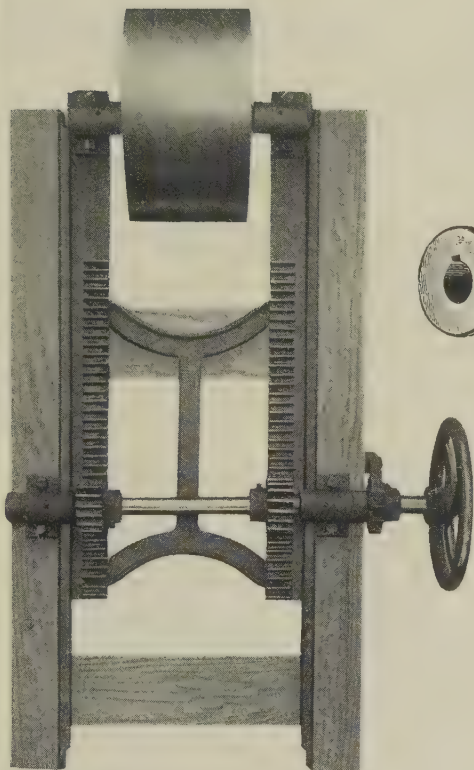


### Standard Take-Up Boxes.



Style "A"

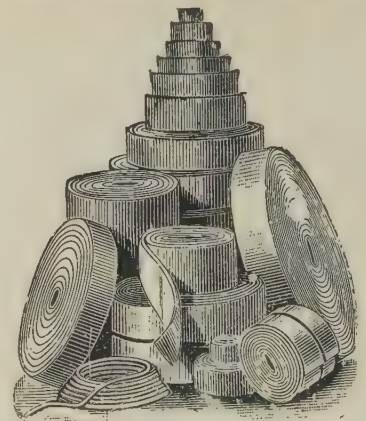
Style "B"



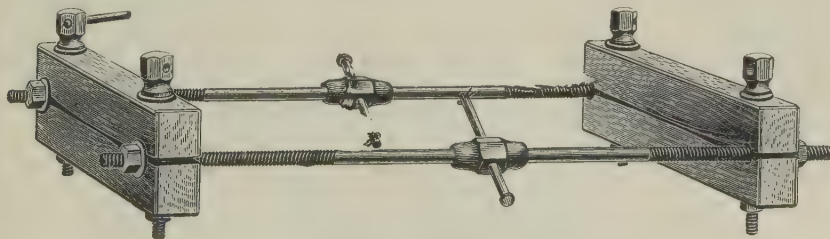
### Rack and Pinion Belt Tightener.

Made to operate horizontally or vertically, furnished with cast iron guides and balanced pulley.

We carry a full line of high grade rubber canvas, cotton and leather belting.



Belting.



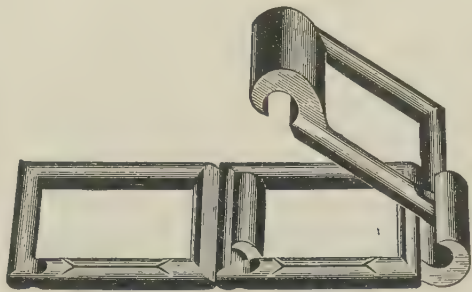
Iron Screw Belt Clamps.



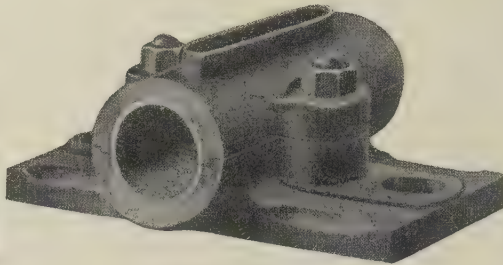
Raw Hide Lacing.

UNION IRON WORKS, Decatur, Ill.

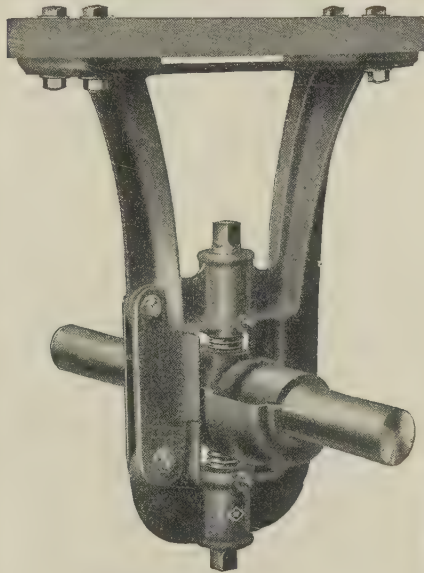




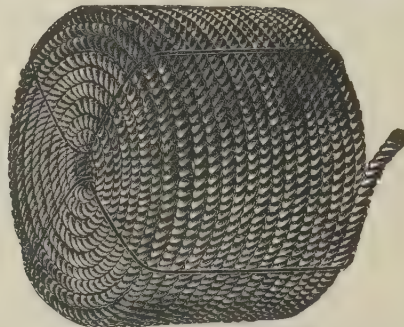
Detachable Link Belting—Large stock of standard sizes



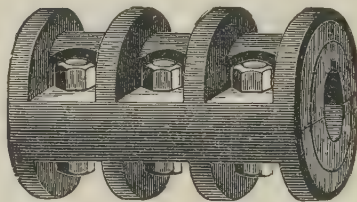
Rigid Pillow Blocks  
with standard or self-oiling bearings



Adjustable Ball and Socket Drop Hanger

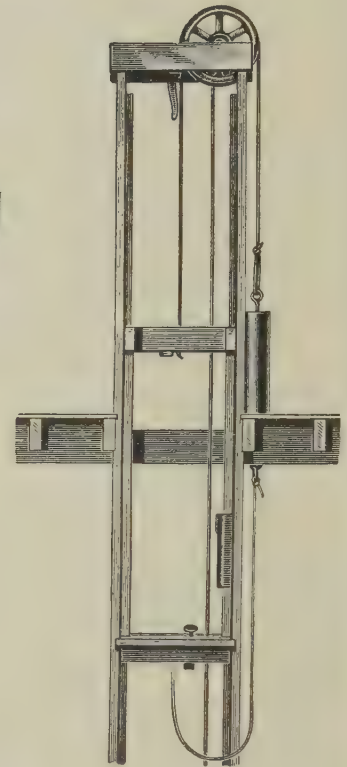


Tallow-Laid Manilla Rope—Especially adapted  
for transmission of power, and we guarantee it far  
superior to any other on the market used for this  
purpose.

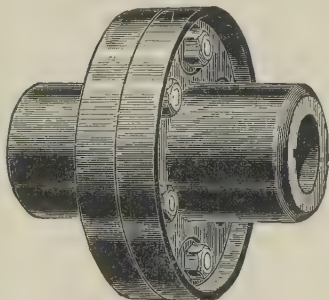


Ribbed Compression Coupling

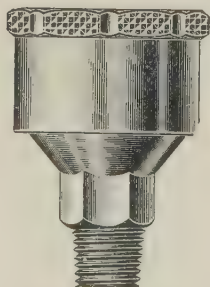
ROPE TRANSMISSION SHEAVES—Write for all par-  
ticulars. Complete Rope Drives designed and furnished



The "Western" Passenger Elevator  
needs no power, easy to operate, saves  
time, money and strength.



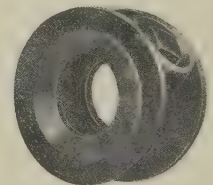
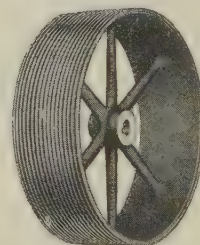
Flanged Face Coupling



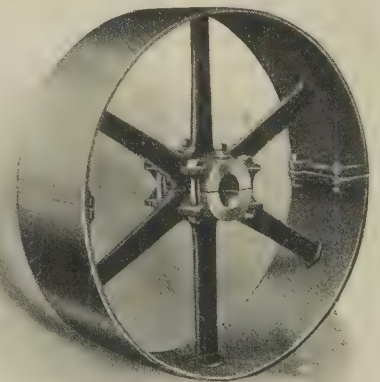
Grease Cups, all kinds



Post Bearings  
With standard or self-oiling bearings



Safety Set Collars



Cast Iron Pulleys—All sizes, both solid and split

UNION IRON WORKS, Decatur, Ill.



# BE WISE

## In Selecting an Elevator Cleaner

This confidential letter to a business friend from a firm like the Russell-Miller Milling Co. should have tons of weight with you. You cannot get by the solid-as-a-rock fact that there must be exceptional merit to a machine that commands such splendid praise and certainly should cause you to investigate further.

Let the experience of others guide you



**Russell-Miller Milling Co.**

OF NORTH DAKOTA,  
MERCHANT MILLERS  
MINNEAPOLIS, MINN. June 15, 1910.

WE OPERATE  
17, 000 BUSHELS  
DAILY CAPACITY 3,000 BARRELS  
2 1/2 FT. DIA. JAWERS  
CAPACITY 1,500 QUINT BUREAU WHEAT  
BUCKEYE ELEVATORS  
IN NORTH DAKOTA CAPACITY 2,500,000 BUSHELS.

Mr. Geo. D. Hollecker,  
Glendive, Mont.

My dear Sir:-

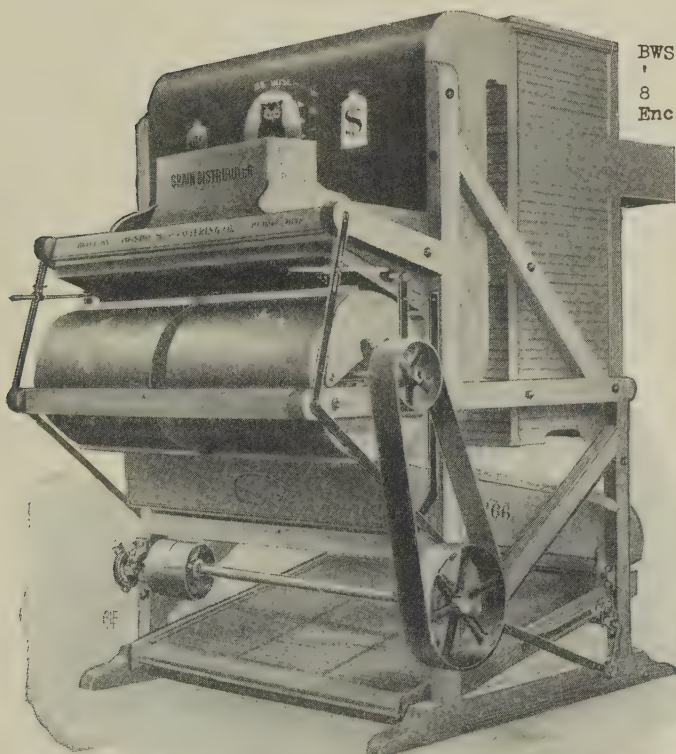
I am pleased to acknowledge receipt of your letter of the 13th inst. and note further remarks regarding the New Process Grain Cleaner which we are trying out in one of our elevators in North Dakota. We wrote you a short time ago regarding this machine but at that time had not used it sufficiently long to know just how it would work out, but this morning I took the matter up with the General Manager of the Occident Elevator Co., who is handling now nearly one hundred houses, and he advised me that it is the best Grain Cleaner and Separator that they have ever used, and the performance of the machine is entirely satisfactory. This being the case, they will use the New Process Cleaner hereafter at all of their elevators where they think it necessary to install a Cleaner. The machine is particularly good on mixed stuff, separating it almost perfectly. Of course, it will be necessary for the man operating the elevator to understand perfectly the working of the machine in order to get the best results. However, the factory, no doubt, will be very glad to install a machine and thoroughly and intelligently explain its workings.

We are just in receipt of your wire regarding this matter and are now wiring you, as per enclosed confirmation. We believe you will be taking no chances in purchasing one of these machines and if we can be of any further service to you in this matter, please command us.

Yours very truly,

*W. H. Stephenson*  
Western Manager.

BWS-4  
1  
8  
Enc.



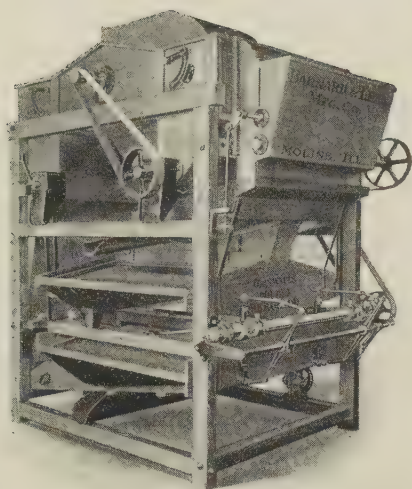
## The New Process Grain Cleaner and Separator

is the only elevator cleaner with a Cyclone attached that will maintain gross weight of your product. It is the only large power machine that will make an almost perfect separation of mixed grains and also clean grains and seeds with the largest possible capacity.

We can prove to you all we claim if you will write for our book "Modern Methods of Grain Cleaning and Separating" which contains facts as taken from our customers' books and records, as to what the New Process has done for them.

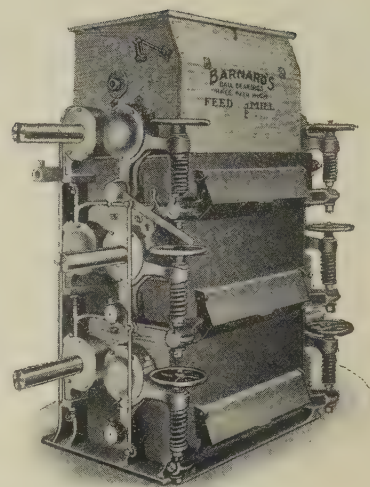
**Fosston Manufacturing Co.**  
MERRIAM PARK (ST. PAUL) MINNESOTA





DOUBLE SEPARATOR

# High-Grade Machinery for Elevators, Feed Mills and Warehouses



THREE PAIR FEED MILL

## Barnard's Double Elevator Separator

Contains all the latest improvements for cleaning grain.

It has two kinds of sieve motion: The most perfect sieve cleaning device; Self-oiling bearings and eccentrics; Double Shaker, the latest sieve arrangement, screening chambers and feed.

## Barnard's Ball Bearing Feed Mills

Save their cost in a short time in power saved.

All kinds for every purpose.

## The Moline Oat Clipper

A great power saver. Does better work and more of it than other machines of its class. Can be used simply as a scalper or as a scalper and clipper because of its by-pass spout.

## The Cornwall Corn Cleaner

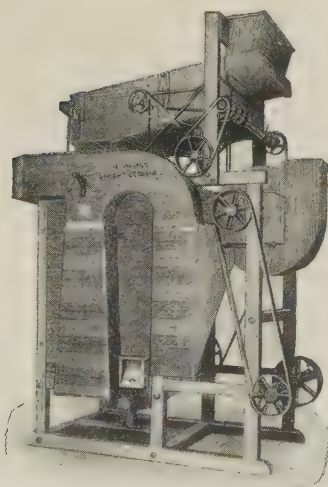
The first and most perfect of the shaker cleaners. More of them in use than those of any other make.

We also make a full line of other Feed Mills, Separators, Scourers, Aspirators, Grain Dryers, Corn Shellers and Cleaners, Packers and Cereal Mill Outfits.  
Send for latest catalogue.

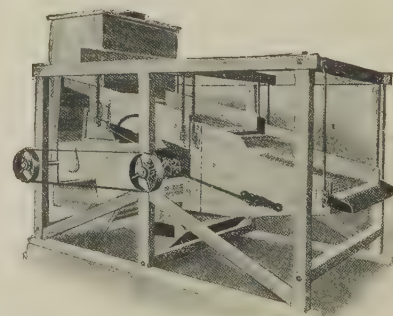
# Barnrad & Leas Mfg. Co. Moline, Ill.

## SPECIAL SALES AGENTS

BARNARD MFG. CO., Spokane, Wash.  
W. S. BRASHEAR, 421 E Pine St., Springfield, Mo.  
WM. EBERT, 2028 Midland Ave., Louisville, Ky.  
W. G. CLARK, 1116 Fisher Bldg., Chicago  
C. B. DONALDSON, 568 Oak St., Columbus, O.  
U. C. DARBY, Williamsport, Md.  
WILLFORD MFG. CO., Minneapolis, Minn.  
W. J. REYNOLDS, Stowell House, Jackson, Mich.  
H. J. CREAGOR, P. O. 1595, Salt Lake Utah.



UPRIGHT OAT CLIPPER



CORNWALL CORN CLEANER



# The U. S. GRAIN CLEANERS 1911 MODELS

excell *all other* attempts at cleaner building

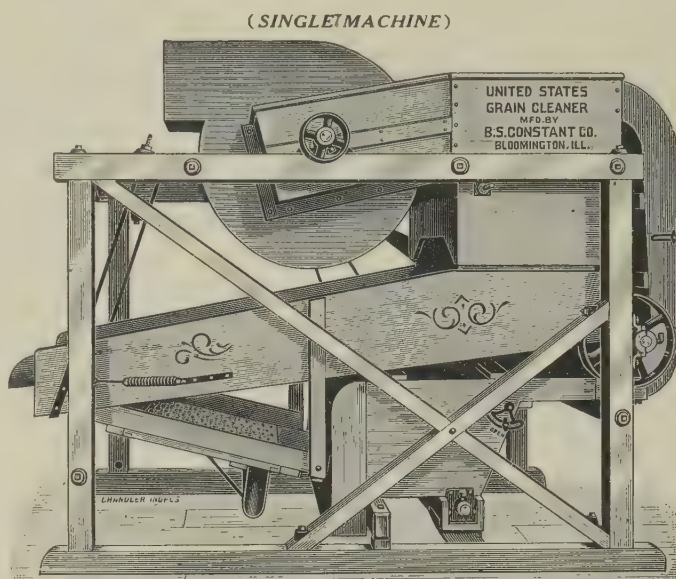
There is only one satisfactory way of shelling and cleaning corn and that is to locate the sheller in the basement, elevate the corn and cob to the **U. S. Cleaner**, separate them and clean the corn thoroly in the one operation.

This machine also cleans oats and will clean wheat if provided with a wheat screen.

The Eccentrix are so constructed, balanced and arranged on the shoe that the vibration is reduced to the minimum.

This one advantage will be appreciated by all operators of grain cleaners, as it will not shake to pieces or rack the building.

The corn falls through the Finger Screen and the cobs and shucks pass down the screen over a set of rods, which, with the new tossing movement turns the cobs and shucks over, causing the corn to drop out of the shucks and through the screen instead of being carried over and into the cob spout



THUS ALL THE CORN IS SAVED—ANOTHER ADVANTAGE.

===== The =====

## Double U. S. Corn, Oats and Wheat Cleaner

has two extra screens which enables you to change from corn and oats to wheat without stopping the machine to change screens.

Simply turn two valves and make the air adjustments.

Both machines are well made, have two air separations, are dustless, saves the screenings, and have been TESTED OUT to the user's

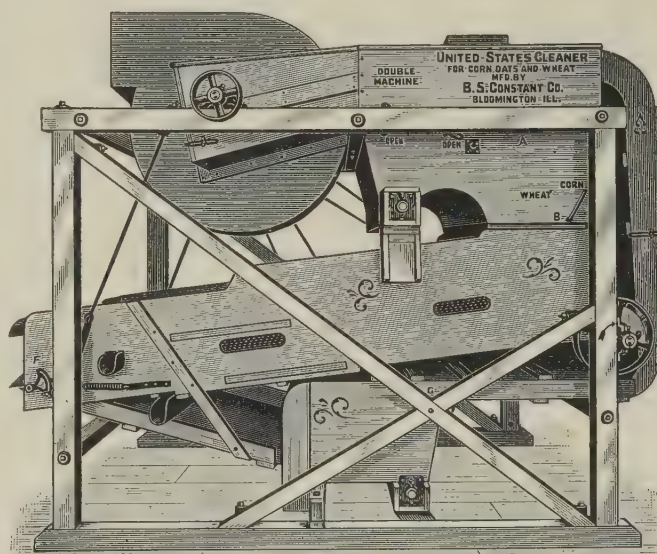
### Entire Satisfaction.

No receiving hopper to build; just a spout. Center exit for the cleaned grain makes it convenient to spout in all directions from the Cleaner.

One powerful fan always under full control is another advantage.

It is ideal in all respects and we want you to try one.

Send for catalog and prices.



**B. S. CONSTANT CO.** Bloomington Illinois



GET OUR PRICES ON  
GASOLINE ENGINES AND  
AUTOMATIC SCALES  
BEFORE BUYING.  
WE WILL SAVE YOU  
MONEY.

SPECIAL PRICES ON COMPLETE  
ELEVATOR EQUIPMENT.

SEND US YOUR  
ORDERS.

EVERYTHING  
IN THE  
ELEVATOR

CAN BE  
HAD  
FROM THE

American Supply Co.  
OMAHA, NEB.

LARGEST STOCK GRAIN ELEVATOR  
MACHINERY & SUPPLIES LOWEST PRICES

GASOLINE ENGINES, SCALES, CONVEYING MACHINERY ETC.

Sheave Wheels  
Transmission Rope  
Distributing Spouts  
Indicator Stands  
Spiral Steel Conveyor  
Controllable Wagon  
Dump  
Plain Dump Irons  
Ear Corn Feeders  
Feed Mills  
Man Lifts, Etc.



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Cast Iron, Steel  
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Friction Cutch,  
LARGE STOCKS



We make and sell  
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plings, including the  
Roversford Com-  
mission Coupling.



#### BIN GATES OF ALL KINDS



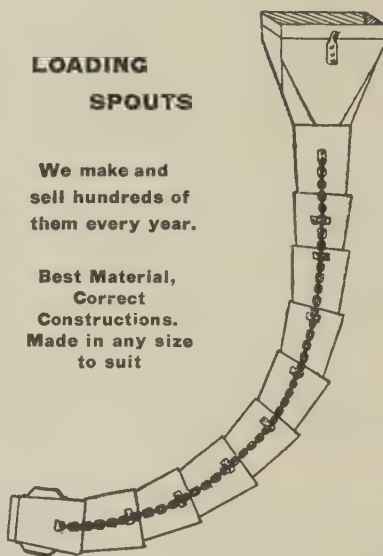
#### SECTIONAL STEEL SPOUTING

Receiver  
Joints and all  
Sheet Metal  
Work.

#### LOADING SPOUTS

We make and  
sell hundreds of  
them every year.

Best Material,  
Correct  
Constructions.  
Made in any size  
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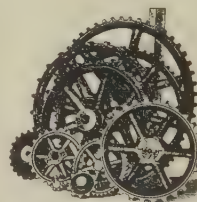


Sprocket  
Chain  
All  
Sizes



#### SPROCKET WHEELS

Plain, Split, or  
with Clutches.



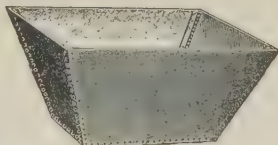
CAR MOVERS  
EASY  
ATLAS  
SAMSON  
SHELDON  
SPECIAL



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CAST IRON BOOTS,  
ADJUSTABLE,  
ALL SIZES.



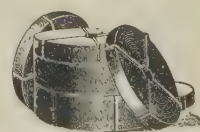
BOOT PANS, All Sizes.



SALEM CUPS.



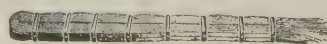
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All Kinds.



Rubber  
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Leather  
Belting



Our seamless Rubber Belting is the best for  
elevator service and is guaranteed.



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Rawhide and  
Indian Tan  
Best Quality

Ask for our Handy Net Price  
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A complete line of bearings,  
Plain and Self-Oiling.



By Comparison always found to be the best. We  
carry a full line Wagon, Hopper and Dump Scales.

Ask us about Corn shellers and cleaners.



#### GRAIN TESTERS

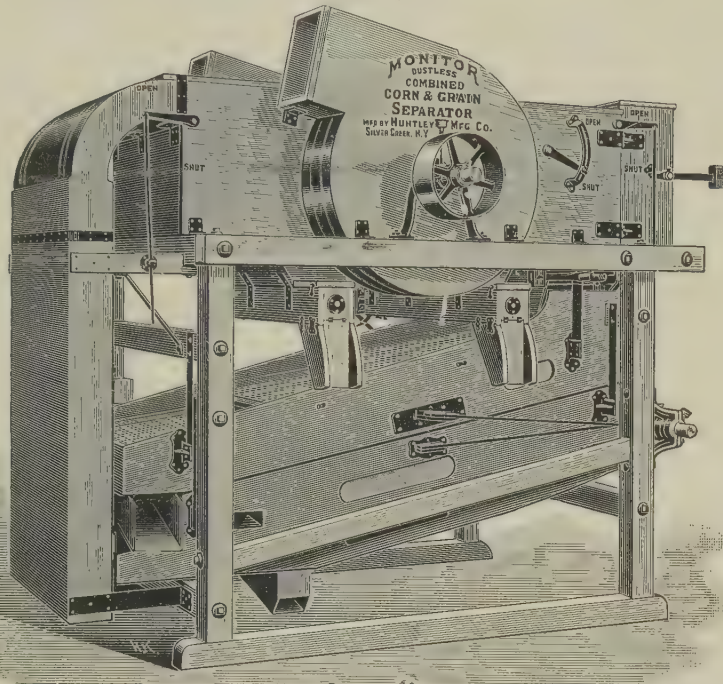
Both the  
HOWE and  
CHAMPION  
carried in  
stock.



# MONITOR

COMBINED  
CORN and GRAIN CLEANER

## Cleans Two Kinds of Grain WITHOUT CHANGING SCREENS



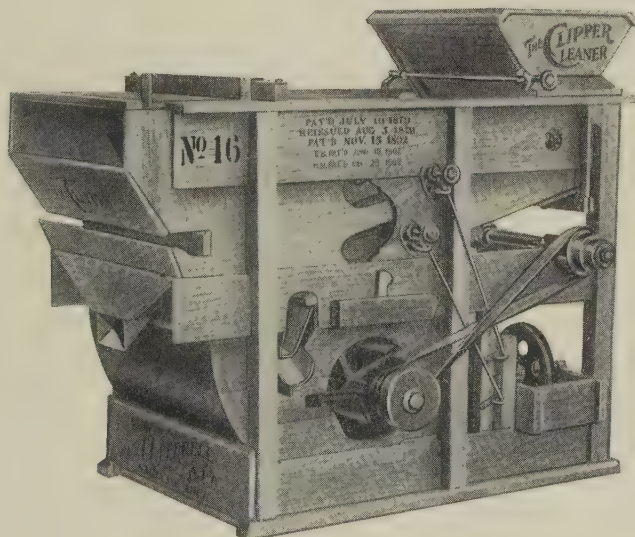
Has two separate equipments of screens—a change from one kind of cleaning to another without stopping to change screens. The original “combined” cleaner, has simplified cleaning work in hundreds of elevators. For cleaning oats, wheat, corn, etc., it has no equal.

## CLEANS GRAIN RIGHT

In designing this machine to answer for practically two separators, we sacrificed none of the desirable features of a standard type single cleaner. Its air work is perfect—grain is cleaned with less shrinkage loss than on other machines. The screen separations are closely controlled—screen surface is extra large. A smooth running machine that gives satisfaction to the most exacting user.

HUNTLEY MFG. CO., Silver Creek, N.Y.

# The No. 16 Clipper Seed and Grain Cleaner



This is a first class Cleaner of medium capacity that will make any separation that can be made on our largest and most expensive machines

It has Traveling Brushes on the screens and Special Air Controller. These two devices make it possible to separate any two kinds of seeds or grains that are not of exactly the same size or weight. The Brushes keep the screens from becoming choked and the Air Controller regulates the blast to exactly the proper strength to blow out light or blasted clover without blowing out good seed, or to blow out light or chaffy grain from the plump, heavy grain when grading for seed purposes.

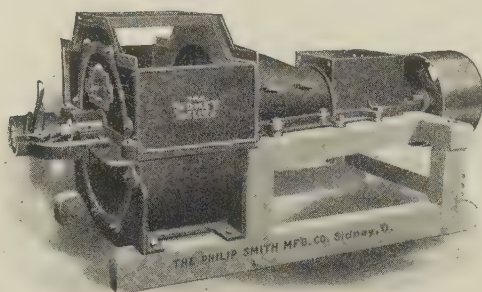
*This machine is light running, well made, nicely finished and guaranteed to give satisfaction. Catalog and full description furnished on request.*

**A. T. FERRELL & CO.**

SAGINAW, W. S. - - - - - MICH.



## Improvements In Corn Shellers and Drags and Sidney Line of Grain Handling Machinery



Patent Pending

The Sidney Corn Sheller & Boot Combined is the greatest improvement made in Corn Shellers in the last fifty years requiring no hoppreing, fan or paddles to discharge the corn into the Boot. The Boot forming part of the Sheller saves the cost of a Boot. The Boot-Pulley runs independent of the Sheller Shaft. This machine is guaranteed to be more satisfactory than any Corn Sheller made. Let us tell you what some of the users have so say about this Sheller. We also

make the Regular and Fan discharge or Pitless Shellers in any size and capacity.



The SIDNEY DRAGS are the most complete, have the cast iron bottom for the chain to travel in, therefore never wearing out or causing trouble; the easiest to install and costs no more than the ordinary drag.

The Sidney Line consists of Shellers, Cleaners, Drags, Man-lifts, Dumps, Power Transmission and everything for an elevator. A complete stock carried at Enterprise, Kansas.

**THE PHILIP SMITH MFG. CO.**

Sidney

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Ohio

## Why shake your building with a shaking cleaner?

The Beall  
Motionless  
Screen Cleaner  
has no eccentrics,  
and does  
not shake  
or vibrate.  
Those who  
see it  
buy it.

**The Beall Improvements Co.**  
Decatur, Ill.





**FIRE that will melt Iron -**

**won't burn this ROOFING**

The flame of a powerful blow-torch—which is intense enough to even melt iron—will not burn J-M Asbestos Ready Roofing when held on *one spot* for nearly an hour. Nor will it set fire to boards underneath. This has been proven by impartial tests made by Fire chiefs and City Council representatives of many large cities.

J-M Asbestos Roofing is absolutely fireproof because its base consists of several layers of pure Asbestos Felt. And Asbestos, you know, is the fireproof, practically indestructible, mineral used in gas grates, stove mats, theatre curtains, etc.

These layers of Asbestos (stone) Felt are firmly cemented together with genuine Trinidad Lake Asphalt—that wonderful mineral cement, which, in Asphalt pavements, stands the grinding of wheels and pounding of hoofs for thirty to forty years.

**J-M ASBESTOS ROOFING**

is composed of *all minerals*. Not a particle of perishable material in it.

Because of this mineral or stone construction, J-M Asbestos Roofing is also rust proof, rot proof and acid proof. And, like all stone, it never needs painting or coating.

No other ready roofing gives a building such absolute fire protection. None other lasts so long with so little attention. J-M-Roofing is still in good condition on many buildings after nearly a quarter of a century of service.

Our nearest branch will supply you with J-M Asbestos Roofing if not obtainable at your dealer's.

Write our nearest Branch now, and for our hand-somely illustrated Catalog No. 303.

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**Economy  
and  
Efficiency  
in Elevating  
and Conveying  
Materials  
— — and  
Transmitting  
Power**



Handling materials in elevators and mills with the greatest degree of efficiency and economy is best effected by the installation of WELLER-Made machinery.

We are prepared to equip your elevator or mill with machinery that will represent an actual saving in time, labor and money, that will enable you to obtain the maximum service from your power plant.

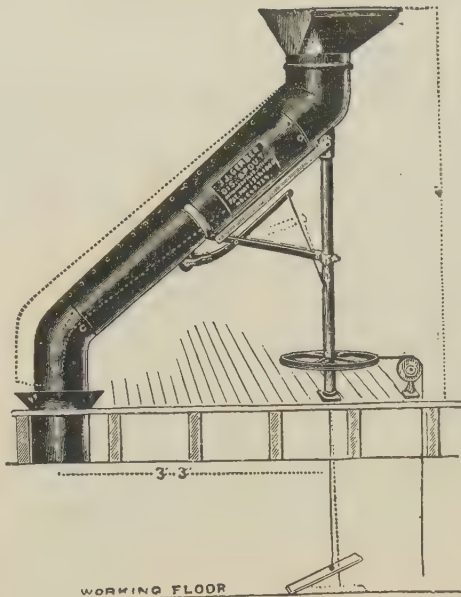
Thoroughness of construction and guaranteed efficiency are distinctive features of WELLER-Made machinery, and we guarantee absolute satisfaction always.

We will gladly co-operate with you and offer suggestions for equipment to suit your requirements and conditions. Write for further information and our catalog.

**WELLER MFG. CO.**

**Chicago**





Write for Catalog D

**J. J. GERBER**

Manufacturer of  
Mill and Elevator Spouting,  
Cups and Supplies

128 Sixth Ave. South  
MINNEAPOLIS, MINNESOTA

# The Vital Point

IN A MILL OR ELEVATOR  
IS THE SPOUTING SYSTEM

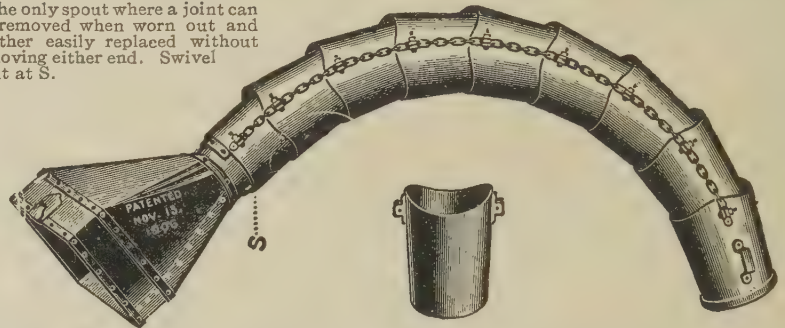
**Think, Grain Men** the worry that is lifted from your shoulders in absolutely knowing that when the new crop begins to move, when the rush comes and everything must run smooth your spouting system will continue to run in the same old satisfactory way.

**Mixing and Slobbering of Grain** is impossible, since A Gerber Distributing Spout is provided with a cast iron elbow at discharge end fitting into the floor or funnels leading to bins.

**The Gerber Distributing Spout** is made of heavy sheet steel with cast iron hopper and elbows. Regulated by foot lever which lifts the end of spout out of the cast iron floor funnels, and can be swung to the funnel of the desired bin and locked in place and position of foot lever will show whether spout is properly seated.

**The Gerber Patent Flexible Chain Telescope Car Loading Spout**

The only spout where a joint can be removed when worn out and another easily replaced without removing either end. Swivel joint at S.



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**Chicago, St. Louis, Kansas City,**

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# CHICAGO & ALTON

Rock-ballasted Roadbed.

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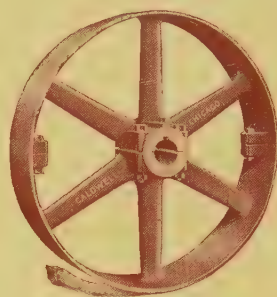
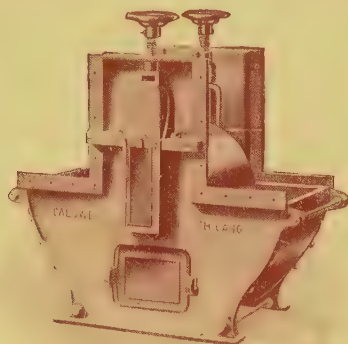
**Be sure your tickets read right**

Call on or address any representative of

**"THE ONLY WAY"**

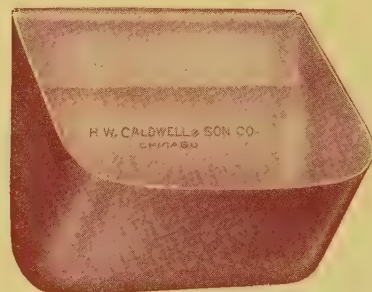
**R. J. McKay, General Passenger Agent, Chicago**





COMPLETE EQUIPMENTS OF  
**ELEVATING, CONVEYING**  
— AND —  
**POWER TRANSMITTING**  
**MACHINERY**

FOR  
**GRAIN**  
**ELEVATORS**



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SPROCKET WHEELS  
LINK CHAIN BELTING  
ELEVATOR BUCKETS

SEND FOR  
CATALOG  
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# WHY PAY BIG PRICES?

FOR NEW MACHINERY AND SUPPLIES

WHEN

THE REBUILT WILL SERVE YOU PERFECTLY  
AND LAST AS LONG

## REMEMBER

Rebuilt does not mean second hand, there's just as much difference as between night and day. A trip through the Gump plant would more than convince you of this—it would open your eyes. Do you know that you take less chances with rebuilt machinery than with the new. Why? Because it has been tried and stood the test. When we accept a second hand machine it is taken apart—every piece of it, the broken parts replaced with new. Don't imagine that a little cleaning and a coat of varnish make a new machine—far from it. Let us drive home the point—that rebuilt machinery from GUMP is for all practical purposes as good as new.

### THE STORY OF A REBUILT MILL

Just what a rebuilt mill or machine means, with reproductions of actual photographs taken of a Roller Mill during the rebuilding process in our plant.



Fig. 1.

#### OUR GUAR- ANTEE

All machinery rebuilt by us is for all purposes as good as new. INTENDING BUYERS will

appreciate that a machine rebuilt in this manner is worth considerably more than a machine which has been cleaned and painted and which is generally designated as a rebuilt mill. A COAT OF PAINT AND A LITTLE VARNISH DOES NOT MAKE A REBUILT MACHINE.

We rebuild all of our machines and they are worth every cent that we ask for them and when considered in connection with the price of a new one, will show a considerable saving and at the same time give you a machine which will give you as good service as if a new one was purchased.

## B. F. GUMP CO.

Everything for Equipping Flour Mill and Elevator—New and Rebuilt

Established 1872

“THE MILL SUPPLY HOUSE”

431-437 S. Clinton St.

CHICAGO, ILLINOIS

Fig. No. 1 shows the mill as bought and received by us, second hand.

Fig. No. 2. A view of the dismantled mill, before we start to rebuild them. All parts have been taken out for cleaning, including the rolls, and all iron parts are thoroughly scraped and cleaned.

Fig. No. 3. The same frame with the bearings and rolls in place ready for re-babbitting, and if through this process it is our opinion there is a bearing which is not as good as new, it is replaced.

Fig. No. 4. The REBUILT MILL. In this particular machine, new housing and feeder were put on, new wood work replaced the old, the bearings rebabbitted, and painted and varnished. Just as it came from the manufacturers.

We have some mighty fine bargains, which are bound to go. Better write today for “Gump Bargains” (published monthly.)



Fig. 2.

Fig. 3.

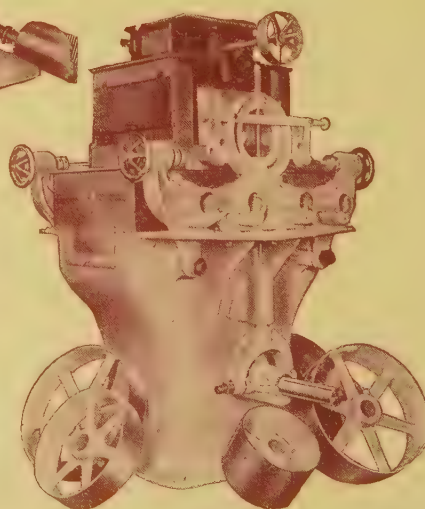


Fig. 4



# EDISON BSCCO PRIMARY BATTERY

If you have used other batteries—no matter what your battery requirements are—your appreciation of the Edison BSCCO will be all the more thorough. For reliability, low renewal cost and economy of operation and maintenance, there is no other battery to compare with it. Our booklet gives full particulars. Write for it.

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49 Lakeside Avenue, Orange, N. J.

THOMAS A. EDISON, INC., is the new corporate name by which the Edison Manufacturing Co. will hereafter be known.

# ELEVATOR and CONVEYOR



# BELTING

Send for  
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## WHICH

Old Style Rubber Belt Split Down the Seam  
Impossible with "R. F. & C." Belting  
It Has No Seams

Mr. Elevator Owner

DO  
YOU  
PREFER  
?

Old Style Rubber Belt Opened Between the Plies  
Impossible with "R. F. & C." Belting  
It Is Solid Woven

THIS OR THIS

## A SOLID WOVEN RUBBER BELT

which cannot possibly develop conditions illustrated above.

"R. F. & C." Solid Woven Rubber Belting has by proven results demonstrated the fact that it overcomes to the fullest extent all difficulties met with in the use of ordinary cemented ply rubber belt.

NO MORE—Separating of the plies.

" Splitting of the seams.

" Pulling through of bolt heads.

" Inability to obtain maximum power with a minimum stretch.

"R. F. & C." Belt is now installed in some of the largest Elevators throughout the United States establishing new long service records for Leg and Conveyor work.

Samples, prices or full information yours for the asking. Send for them NOW!

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CHICAGO ESTABLISHED 1855 ILLINOIS



**GRAIN ELEVATOR BUILDERS****O. P. HIETT COMPANY**Designers and  
Builders of**GRAIN ELEVATORS** of Any Size  
or Capacity**PLANS AND SPECIFICATIONS A SPECIALTY**

Our elevators are so designed that the cost of operating and maintaining same is minimized by arrangement and adaptability to the need of the business. Write us if you are going to build an elevator or remodel your old one and we will save you money and guarantee you satisfaction in the construction of the work.

**PEORIA - - - ILLINOIS****ECONOMY**

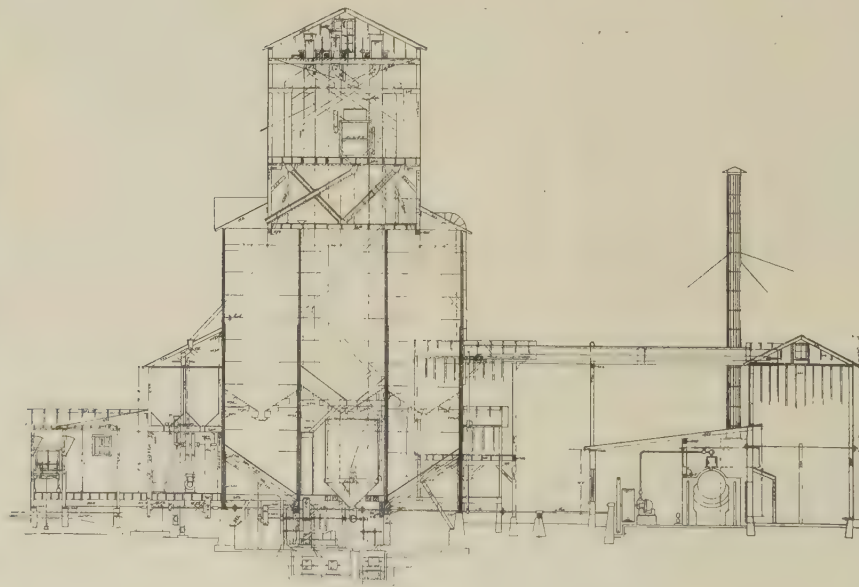
doesn't mean giving your contract to the lowest bidder. If your new elevator is defective in construction, expensive in operation and does not comply with the requirements of insurance companies, you have an expensive house even tho the contract was given to low man. Our years of experience enables us to build at right prices.



In 1910 we built 36 new elevators. Repaired and remodeled 6 and made plans for 42. Our Record to date: 300 elevators built and everyone a recommendation in itself. Surely some reason for the large amount of business. If you want to know, write to-day to

**Burrell Engineering & Construction Co.** 30 North LaSalle Street  
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**Designers and Contractors of  
COUNTRY GRAIN ELEVATORS**



Plan of Modern Elevator designed and erected by

If you desire a modern up-to-date plant, with all the latest and best time, labor and power saving devices, investigate our work, inspect our plans, specifications and prices.

"A cheaply built elevator is all right till the ill wind blows, and then the salvage grain man gets the luck."

**RELIANCE CONSTRUCTION CO.,****INDIANAPOLIS, IND.**



## GRAIN ELEVATOR BUILDERS

# A WARNING

## To Intending Builders of Grain Elevators



**THIS →**  
**OR**  
**← THIS**

This is the result of weak foundations sometimes caused through inexperience or by cutting the cost—the consequence is not only the loss of the year's business, but the elevator, and the expense connected with the building of another.

Avoid this loss by being able to see what you are paying for—and not be deceived by plans drawn in small scale, but be able to read them yourself in plans drawn on one-quarter scale.

Have a firm build your elevator whose experience in building foundations on different kinds of soils has made it one of their strongest points.

We aim to build the best that material and workmanship can produce.

Do not hesitate to write for any advice we may give on COUNTRY ELEVATORS and CLEANING HOUSES, WOOD OR FIRE-PROOF CONSTRUCTION. We are always glad to give grain dealers the benefits of our experience.

We are crowded during the busy season. Write today and avoid the loss of the other fellow getting the grain.



## Younglove Construction Company

Pioneer Elevator Builder of Iowa

218-219 Grain Exchange

Sioux City, Iowa



## GRAIN ELEVATOR BUILDERS



250,000 Bu. Storage Tanks 1910

Elevators—  
Storage TanksIn Wood or  
FIRE PROOF  
Materials**CONCRETE Insurance the BEST**  
PLANS—SPECIFICATIONS—ESTIMATES**L. O. HICKOK & SON** ENGINEERS AND CONTRACTORS  
Minneapolis, Minn.

## CAR ORDER BLANKS

**FORM 222 C. O.** So many grain shippers are experiencing difficulty in obtaining cars, many are now keeping a carbon copy of each order for cars, in order to keep an accurate record of their efforts to obtain cars, to facilitate proving delay by railroad company and to encourage railroad agents to heed shippers' needs. Car order blanks are put up in books of fifty, with machine perforations, so that order can be torn out and sent to carrier's agent and carbon copy be retained in book. Fifty orders and 50 duplicates in each book. **Price, 50cts.**

**GRAIN DEALERS JOURNAL**

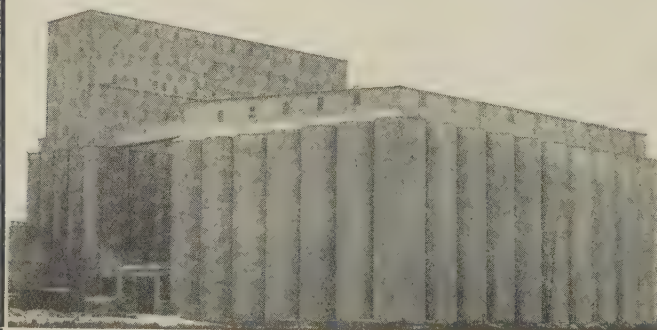
255 La Salle Street

Chicago, Ill.

**WE BUILD High Grade Milling Plants**IN  
CEMENT  
STEEL or WOODGrain Elevators  
and Power Plants  
Steam, Gas  
Electric**A. E. BAXTER ENGINEERING & APPRAISAL CO.**  
BUFFALO, N. Y.**FIRE PROOF STEEL GRAIN ELEVATORS AND  
STORAGE TANKS**

Almost anywhere between the Mississippi and the Pacific Coast, you will find elevators like these that we have built.

We have the largest plant in the West for manufacturing steel work and Machinery of all kinds.

**We Are Designers and Builders****MINNEAPOLIS STEEL & MACHINERY CO.**  
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CONTRACTORSDesigners and  
Builders of **GRAIN ELEVATORS** In All Parts  
of the WorldGrand Trunk Pacific Elevator at Fort William, Ontario.  
Capacity 3,500,000 Bushels.**GRAIN ELEVATOR DEPT., 1811 Fisher Bldg., Chicago****W. R. SINKS, Manager****R. H. FOLWELL, Engineer**

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Write or call on any of them.

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For William, Ontario, Canada

**GREAT NORTHERN RY. CO.**  
**ELEVATOR "S" ANNEX, SUPERIOR, WIS.****2,250,000 Bushels Capacity**  
**Reinforced Concrete**

Built Complete in 120 Days by

**The Barnett & Record Company****Minneapolis, Minn.****CONTRACTORS AND ENGINEERS**



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### B. J. CARRICO

Designer and Builder of  
GRAIN ELEVATORS  
and FLOUR MILLS  
In all Materials  
Write for Plans and Specifications  
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### MODERN ELEVATORS?

YES, INDEED. Address the inquiry  
**W. H. CRAMER**  
ST. PAUL, NEB.  
and satisfaction will be yours. Convincing  
references.



**C. E. Bird & Co.**  
MINNEAPOLIS

Elevator and Mill  
Builders

16 Years'  
Practical Experience

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Contractors, Designers and Builders  
Grain Elevators, Mills, Warehouses, Etc.

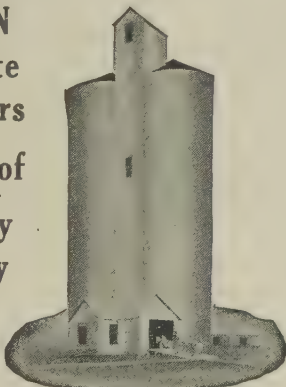
**WOOD or CONCRETE**

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**FINTON**  
Concrete  
Elevators

Fireproof

Bins any  
capacity



Exterior of Double Tank Elevator

No Insurance Needed, no Interruption to Business,  
no Wood, no Repairs, no Paint, no Deterioration, no  
Rats, no Mice, no Spark, Fire or Lightning Hazard.

Write for further particulars.

**FINTON CONSTRUCTION COMPANY,**  
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CONTRACTOR OF  
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Especially Designed for Economy  
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Over 200 satisfied owners of  
Cramer Elevators assure you the  
same satisfaction, and the grain  
business at your station."

Write us for grain elevator  
plans and estimates

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Designs and Builds 'Em  
**GRAIN ELEVATORS AND MILLS**  
28 years experience, that's not all, write me  
about my Grain Cooling System.

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Contractors and Builders of Grain Elevators,  
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Plans furnished on short notice

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### STEEL GRAIN TANKS

We are pioneers in this line and are building  
tanks in the good old fashioned way. Joints  
caulked and guaranteed water, weather and  
bug proof. Long experience has demonstrated  
the necessity of high grade workmanship to  
make steel storage a success. We do it.

Wm. Graver Tank Works, East Chicago, Ind.

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the work. I build and remodel grain  
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Contractor of Modern Elevators  
designed and built to meet the require-  
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and Mill Supplies, Gaso-  
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## Morley Bros., Haden & Plott

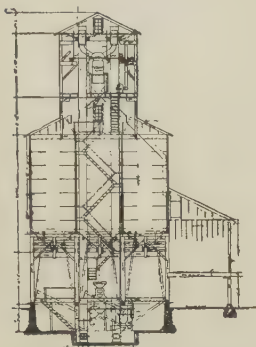
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GRAIN ELEVATORS

WICHITA . . . . . KANSAS



## GRAIN ELEVATOR BUILDERS

## MODERN GRAIN ELEVATORS



We have every facility for planning for anyone desiring a modern grain elevator, complete working plans and specifications.

It is cheaper to make changes on paper than after the building is completed.

However, if your building does not suit you or it needs modernizing, we can show you how to do it best.

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## MODERN ELEVATORS

4,000 bushels,	\$1,400 to	\$2,500
6,000 "	1,700 "	2,900
8,000 "	2,100 "	3,500
10,000 "	2,400 "	5,000
15,000 "	2,900 "	5,300
20,000 "	3,000 "	6,750
25,000 "	3,800 "	8,600
30,000 "	4,150 "	9,000
35,000 "	4,450 "	10,200
40,000 "	5,200 and up.	

## The P. H. Pelkey Construction Co.

*Builders of Good Grain Elevators*

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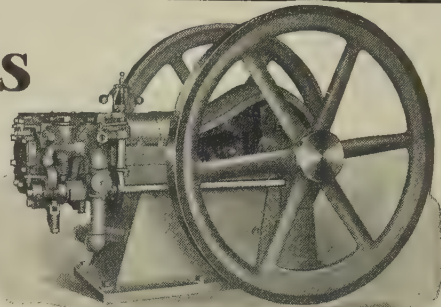
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are of the highest mechanical efficiency. There is nothing better to be had. Ready to run always, and give universal satisfaction. Used by elevator men all over the United States. They have many patented features, giving the greatest economy in operation. Our patented water jacketed cylinder head requires no packing. We have many other advantages. Send for catalog, and prices from 3 to 100 H. P.

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Contractors of

Grain Elevators, Alfalfa Mills, Warehouses, etc., in Wood, Steel and Concrete.

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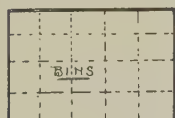
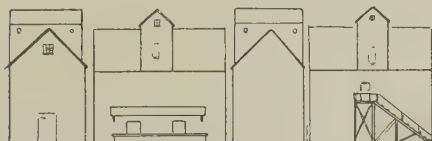
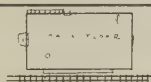
Contractor and  
Builder of ...

# Grain Elevators and Warehouses

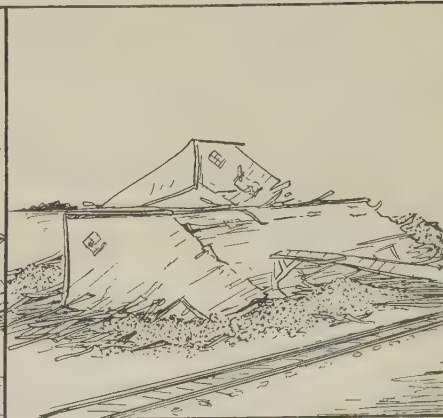
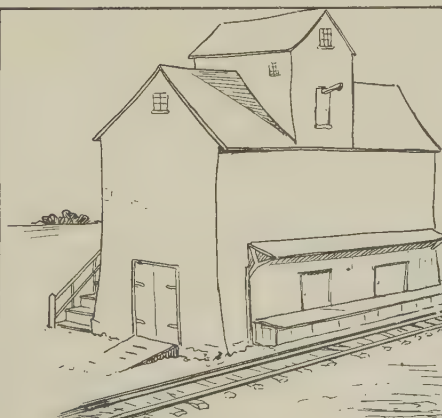
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A REEL GRANE ELAVATOR ACCORDIN TO THE MODURN BARN BILDER.

CAPACITY 12,000 BUS.  
COST 5 CENTS PER. BU



DESIGNED FOR  
GET BARGAIN & CO  
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The Barn Builder's Plan.

The Product.

The Elevator After it was Loaded.



OLD—NEW—DECLINED

## RAILROAD CLAIMS

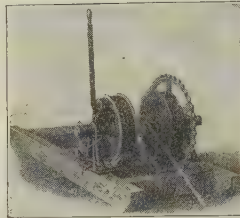
Of any nature, collected on commission. No expense if we fail. Let us check your old account sales and collect your coeprage claims.

Our service has been a profit to others, why not you? Write

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We can offer every Elevator man a splendid opportunity to earn extra money during the dull summer months selling the Brown "Little Giant Hoist" to Farmers. Write us at once for discounts and full particulars.

We also make Line Shatt Clutches for elevator work.

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## BOWSHER

(Sold with or without Elevator)  
**CRUSH** ear corn (with or without shucks) and **GRIND** all kinds of small grain. Have Conical-Shape Grinders. Different from all others.

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(Our circular tells why)

Handy to Operate. Eight Sizes—2 to 25-horsepower.

Peculiarly suited for use with Gasoline Engines.

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South Bend, Indiana



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### GRAIN TRYERS



WILLIAMS-LLOYD MACHINERY COMPANY, 638 Federal Street

Chicago

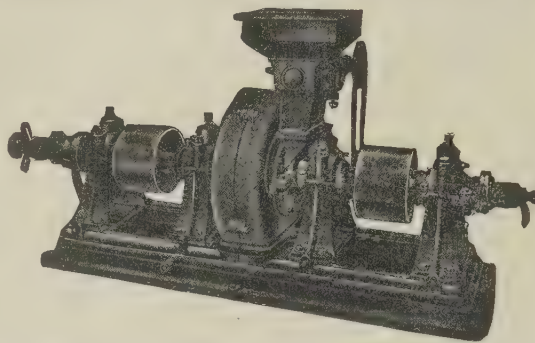
## Your Profits

at the end of the year are shown by the amount of cash you have. You will find the feed grinding end of your business very profitable if you have a

### Monarch Feed Mill

Let us prove it to you by sending you one on trial. **WRITE US**

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## ITS QUALITY COUNTS

In the purchase of a feed mill you should without fail consider

**The STRENGTH  
SIMPLICITY  
DURABILITY**

OF THE

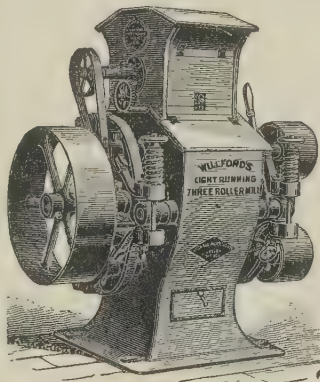
**WILLFORD** Light Running  
Three Roller Mill

They take the least power.

**WILLFORD MFG. CO.**

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The most convenient and handiest elevator for factory or warehouse use.

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Useful for carrying bags, sacks, bundles or packages from one floor to another, thus saving time and labor.

**The Wolf  
Company  
MILLING**

### ELEVATOR

Can be stopped at any floor.

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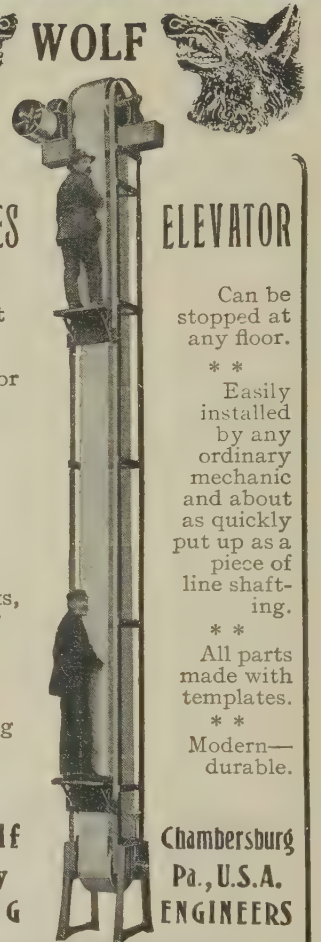
Easily installed by any ordinary mechanic and about as quickly put up as a piece of line shafting.

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All parts made with templates.

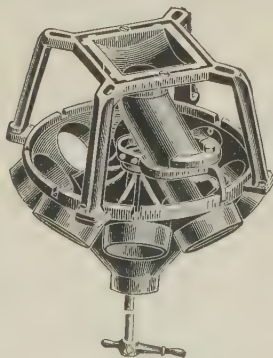
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Modern—durable.



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YOU CAN USE A

every day through your whole life and then turn it over to your children for their benefit.

You want your elevator leg to do its work economically, to cost as little as possible to construct; to operate with the least attention or expense; to elevate the most grain for its size and cost, and in the quickest time; to cause you no delays or repairs.

To get this profitable and economic equipment and these results, you must have a

## HALL SPECIAL

(ELEVATOR LEG)

You should attend to it before your money is wasted on something else.

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## Grain CONTRACT BOOK

This book is for the use of the grain buyer in contracting with farmer patrons for grain. By recording agreements made for the delivery of grain bought, each party thereto obtains a clear statement of what is intended by the other, and the farmer lives up to his contract.

The stub is signed by the farmer certifying that he has sold ..... bushels of ..... at ..... per bu., to be delivered on or before ..... It also certifies that he has received ..... dollars on the contract.

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Each book contains 50 contracts, numbered in duplicate, printed on bond paper, size 12x41". If you contract for grain you can not afford to be without these blanks.

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Complete systems designed, manufactured, installed and guaranteed. Old systems remodeled on modern lines on most economical plans. Supplementary systems added where present systems are outgrown. Defective systems corrected and put in proper working order.

High and Low Speed Systems

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## Is Your Equipment In Top-Notch Condition?

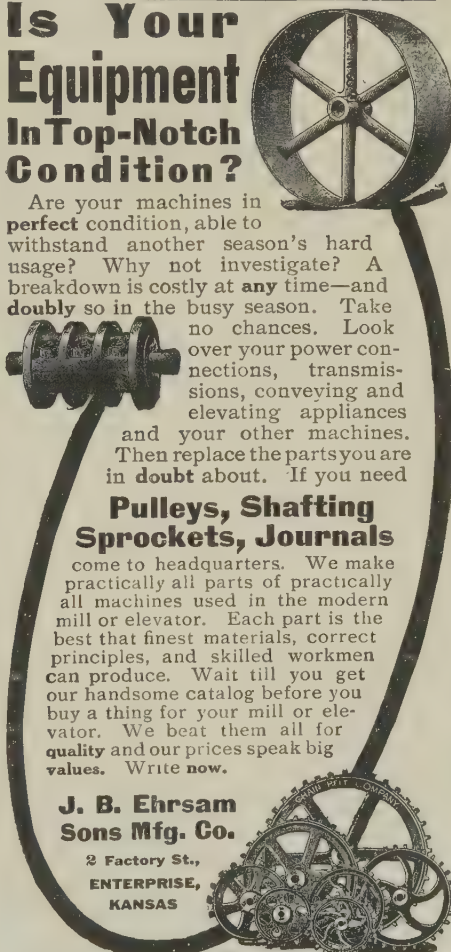
Are your machines in perfect condition, able to withstand another season's hard usage? Why not investigate? A breakdown is costly at any time—and doubly so in the busy season. Take no chances. Look over your power connections, transmissions, conveying and elevating appliances and your other machines. Then replace the parts you are in doubt about. If you need

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## Cover's Dust Protector

Rubber Protector \$2.00

Sent postpaid on receipt of price; or on trial to responsible parties. Has automatic valve and fine sponge.

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ATTENTION,  
ELEVATOR CONTRACTORS!

Write us for our Special Proposition for 1911

DO IT NOW

## HASTINGS

Foundry & Iron Works  
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## Transmission Rope

WE CARRY A COMPLETE STOCK for immediate delivery in all the sizes from half inch to two inch diameter. Every Foot of Rope guaranteed to be of Finest Material and Superior Workmanship. Give it a Trial.

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of putting on a new roof when the old one can be made absolutely waterproof at a small cost—and KEPT waterproof for many years?

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makes an old, leaky roof good as new. It will do more than repair the holes—it will stop corrosion on metal and prevent rust. And on shingle or composition roofs it is fully as effective in preserving the material and rendering the surface positively waterproof. Applied like paint. Every gallon guaranteed. A Mass of Evidence with full particulars sent free on request.

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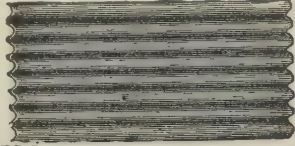


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Several years of experience fully demonstrates that owing to the fact that Morris Grain Driers have thorough ventilation, drying grain much more evenly, truthfully stamps them as being superior to any other grain driers in existence. Can be constructed more economically than the average drier. Don't fail to write for pamphlet giving full information and testimonials regarding our driers, coolers and conditioners.

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Sheet Metal Contractors, Makers of Fireproof Windows  
Write them if you are in the market now or if you expect to be in the future. Contracts taken anywhere in the United States.

## THE AUTOMATIC DUMP CONTROLLER



This new and simple device for the controlling of the drop of wagon dumps, is the only machine on the market; no attention or power in operating.

It is entirely out of the road and completely automatic.

Our list of testimonials and number of duplicate orders shows their usefulness.

As the easy dumping of a man's wagon is pleasing to them as well as prevents expense for repairing wagons, and the chances for dissatisfaction.

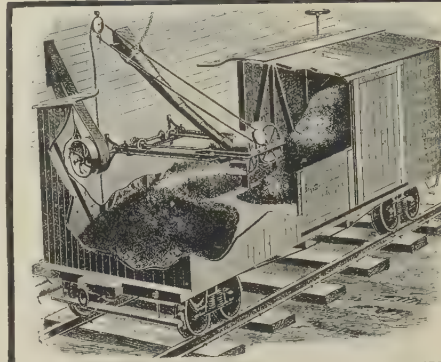
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are unsurpassed for oats, corn, seed, produce, etc. Use "Aurora A" cotton seamless grain sacks full size 2 bu. 16 ounces. Also our Heavy Hem Top Jute Grain Bags, seamless shape. For bag satisfaction write the **MILWAUKEE BAG CO., Milwaukee, U. S. A.**

**IT CLEANS THE GRAIN**

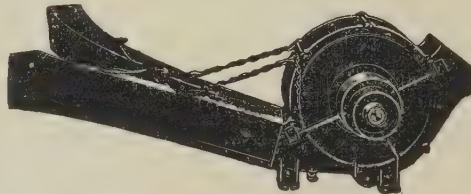
It removes dust from oats, as well as dust from all other grains. It is compact, and when not in use projects only 14 inches from the building. The

**CHAMPION CAR MOVER**

will do all we claim for it. It is made of steel and stands weather exposure. Write to-day for particulars and price.

**E. BAUDER, Manufacturer, STERLING, ILL.**

WHEN a concern has been selling machines for ten years it is not surprising if some of them should require attention so we have asked about those which have been in use for seven years or longer and generally we receive a favorable reply. When it is otherwise we render the necessary assistance. In none of our letters did we ask for a testimonial though if we had done so it would have been difficult for some of the parties to make their letters stronger than they did. The following is from a man who has three, all of which have been in use as much as seven years.



Bradfordton, Ill., Feb. 20, 1911.  
MAROA MFG. CO., Maroa, Ill.  
Dear Sirs:—Yours of 2-18 at hand and contents noted. The loader sold to Mr. Beggs Sept. 1902 is in use here and has been since installed by your man. We have loaded from 75 to 100,000 bushels grain with it every year and just turned the paddles on the fan last fall and it works now as good as when first put in. We can load 2,000 bushels of ordinary good oats in a common 60,000 car and never use a scoop shovel. It has never given us a particle of trouble and always ready. We load everything with it. We have two others, one at Cody and one at Curran, all working fine. Yours truly,  
C. A. HAVY

When writing for information please state how fast you wish to load as we make five sizes all of which are carried in stock for prompt shipment.

**Maroa Manufacturing Co., Dept. 3, Maroa, Ill.**

## 5 REASONS

why you should install a

## COMBINED

Grain Cleaner and Pneumatic

## CAR LOADER

**FIRST** and most **IMPORTANT**—It is impossible for it to crack or mill the grain.

**SECOND**—It will fill the largest cars to full capacity, without any labor in the car.

**THIRD**—It is strong and durable, automatic in its action, and requires no attention after starting.

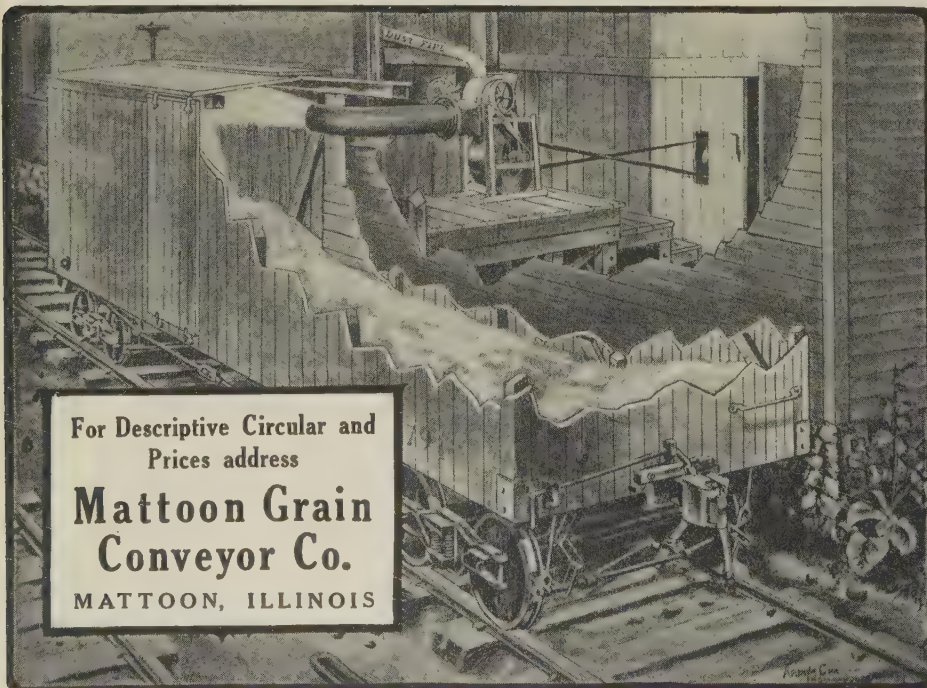
**FOURTH**—The constant moving of the pneumatic tube as it loads the grain, prevents any accumulation of dust or dirt in the center, or any other part of the car, thereby avoiding heating, and "off" grades.

**FIFTH**—It cools and dries the grain as it passes through the current of air.

For Descriptive Circular and  
Prices address

**Mattoon Grain  
Conveyor Co.**

**MATTOON, ILLINOIS**





## HESS DRIED —IS— BEST DRIED

Hess Dried grain brings a premium and is always in demand. Germinates strongly, mills easily and keeps till you use it.

Hess Grain Dryers are used everywhere and are the standard of excellence in drier construction. We make all sizes from 400 bushels daily capacity up to the monster driers such as we built at Boston, New York, Baltimore, Philadelphia, New Orleans, Galveston and other exporting stations.

*Ask for Free Booklet*

### Hess Warming & Ventilating Co.

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P. S.—Ask us also about the Hess U. S. Moisture Tester.

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This book contains 125 leaves of scale tickets, four to a leaf. Each leaf folds back on itself so as with the use of a sheet of carbon to make a complete and perfect copy of the original on the stub which remains in the book. The original tickets form the outer half of the page, so the removal of any ticket does not disturb the others.

Each ticket has spaces for the following record: No., Date, Load of, From, To, Gross lbs., Tare lbs., Net lbs., Net bu., Price per bu., Test, Man On-Off, and Weigher's Signature. Size, 9½x11 inches. Printed on good paper.

Order Form No. 73. PRICE \$1.00

GRAIN DEALERS JOURNAL, 255 La Salle St., CHICAGO, ILL.

## Grain Receiving and Stock Book

Is a book designed especially for keeping a record of each kind of grain received at a country elevator in a separate column so that the buyer by adding up the columns may quickly determine the number of bushels of each kind of grain on hand. Columns are also provided for date, name, gross, tare, net lbs., price, amount paid and remarks.

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PRICE, \$1.50

GRAIN DEALERS JOURNAL

255 La Salle Street, Chicago, Ill.

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a hard proposition divide it into parts—then tackle each part separately. ¶ The **Richardson** Oat Separators and Screenings Machines accomplish in a **perfect manner**, the separations that the other fellow's machine can't do at all. They repay their total cost in thirty to sixty days. ¶ It is a pleasure to receive letters like the following.

### The Farmers Milling & Elevator Co.

Capacity 300 Barrels.

Berthoud, Colorado,

May 2, 1911.

GRAIN SEPARATOR CO.,  
Sparta, Wis.

Gentlemen—

We enclose our check in full payment for invoice of March 25th.

We installed your separator thirty days ago, and we are well pleased with it. We have given it a very thorough try-out and we are confident the work it is doing for us could not be accomplished over any other machines. We estimate that it will easily pay for itself in sixty days.

Yours truly,

THE FARMERS MILLING & ELEVATOR CO.  
C. E. Williams, Mgr.

**Note:** Mail us a pound sample of your oat wheat and a pound of your screenings.

Made in sizes from 25 to 500 bushels per hour.  
Sold strictly on their merits on 30 days' trial.

## Grain Separator Company

SPARTA, WIS.

## STOP Possible LOSS

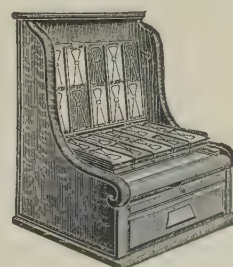
caused by treacherous fluctuations of a speculative market. Don't depend upon your memory as one manager did, who bought 4,000 bushels May wheat in December, to hedge stored grain sold, and forgot all about it until the 1st of April, although he had bought in all his storage the first of February. Think of the loss.

Keep absolutely even on the market each night. You ask, how can I do so? By installing

### THE McCASKEY GRAIN ELEVATOR SYSTEM.

#### THINGS IT WILL DO:

It records every transaction during the day, tells how much of each kind of grain taken in, how much in the house each night, how much bought and sold, how much in transit, how much stored, how your insurance stands, how your sales to arrive stand, and if you hedge on the market how your option deals stand. It also shows at a glance how shippers and state weights compare. It shows how much coal, flour, feed, etc., you have bought and sold, the amount of profit or loss on same, and what stock of each you have on hand. Continuous Daily, Weekly, Monthly, and Yearly records.



We have provided an advertising feature in connection with this System, which practically takes care of the cost to you. Eventually you will install this **SYSTEM**. Why not do it now?

Write and say you have been attracted by this adv. and I will arrange to have a salesman call and demonstrate this System to you.

H. Y. Scarborough

Sole Agent

206 Corn Exchange, Minneapolis, Minn.



R



Live weevil plus a little Fuma equals  
dead ones every time.

Fumigate Your Elevators and Mills with

**FUMA**

The only satisfactory method of treating grain in  
the bin; kills all insects, weevils, moths, etc.

10c per lb., in 50 lb. and 100 lb. drums.

Send for printed matter.

**EDWARD R. TAYLOR**

Manufacturing Chemist Penn Yan, N. Y.

### Claim Losses Prevented

by **TYDEN SELF-LOCKING CAR SEALS** bearing your name and consecutive numbers. Thousands of shippers use them. Write for samples and prices.

**INTERNATIONAL SEAL & LOCK CO.**

Chas. J. Webb, Gen'l Sales Agent,  
617 Railway Exchange Building, CHICAGO, ILL.



### Claus-Bland Mfg. Co.

Successors to  
Grain Dealers Supply Co.

## MACHINERY and SUPPLIES OF ALL KINDS

We are offering some  
Special Bargains in  
Pulleys, Belting,  
Spouts, etc., etc.

WRITE US.

305 South 3rd Street, MINNEAPOLIS, MINN.,

## "EUREKA" GRAIN DRYERS



Are easily controlled,  
Continuous in operation,  
Thoroughly Re'iable,  
Inexpensive to install,  
Results are Uniform.

All our claims are fully substantiated.  
Any percentage of moisture can be removed.

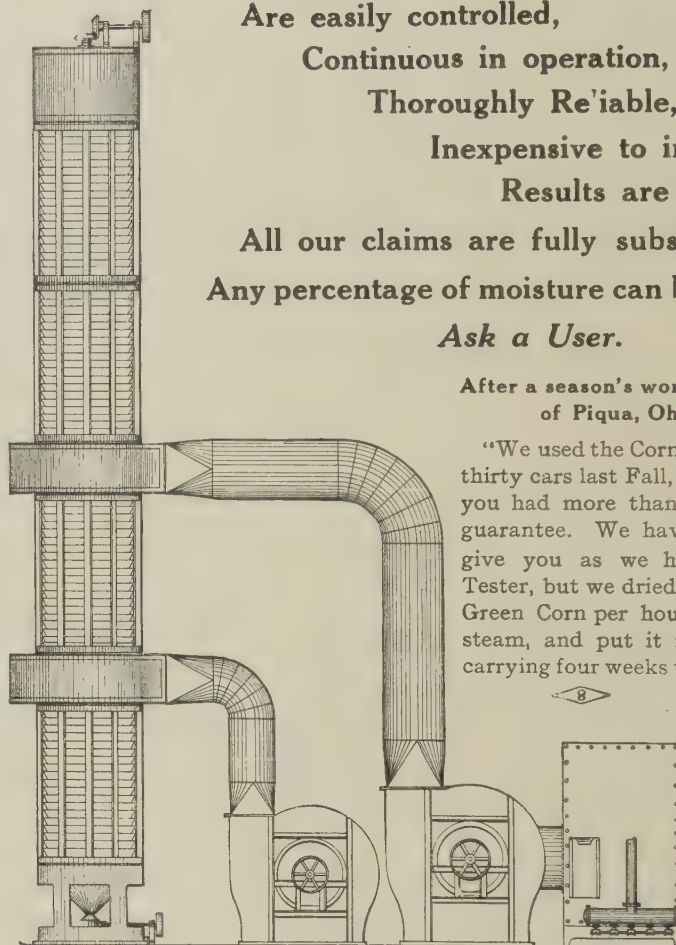
### Ask a User.

After a season's work, C. N. Adlard,  
of Piqua, Ohio, says:

"We used the Corn Dryer on about thirty cars last Fall, and found that you had more than exceeded your guarantee. We have no figures to give you as we had no Moisture Tester, but we dried 160 bushels of Green Corn per hour with 30 lbs. of steam, and put it in condition for carrying four weeks to New England."

Our Broker said we had the best corn that had arrived in that section.

We would not be without the Dryer at any cost."



Sole Manufacturers

## THE S. HOWES COMPANY

Grain Cleaning Machinery Specialists

"Eureka Works," Silver Creek, N. Y.



## ELEVATOR MACHINERY

**GRAIN DRYERS—All Sizes, CRUSHERS, SHELLERS and MILLS CONVEYORS and ELEVATORS, CHAIN BELT and SPROCKET WHEELS, OAT MEAL and PEARLED BARLEY MACHINERY, HOMINY MILLS**

SEND FOR DESCRIPTIVE CATALOG  
OF WHAT YOU WANT

**THE C. O. BARTLETT & SNOW CO.**  
CLEVELAND, OHIO, U. S. A.

## SHIPPERS' RECORD BOOK No. 20

is designed to facilitate the book-keeping of grain shippers and to minimize the labor of keeping a complete record of each car shipped. The book is 9 1/2 x 12 inches and contains 100 double pages of superior paper. It is well bound, ruled in two colors, and the column headings clearly printed. Spaces are provided for records of 2900 car loads.

At top of left hand page, in bold-faced type, are the words, "IN ACCOUNT WITH," and at top of facing page, is dotted line for name of firm to whom grain is sold. It is intended that records of shipments to each firm shall be kept separate. The column headings on the facing pages are: Date of Sale, Date of Shipment, Car No., Initials, Amount Sold, Kind of Grain, Weight, Price, Draft, Remarks, Date Returned, Weight Returned, Overdrawn, Net Proceeds and Balance.

Wide columns are provided for recording these facts under the respective heads.

Price, \$1.75. Address

**GRAIN DEALERS JOURNAL**  
255 LaSalle Street - CHICAGO, ILL.



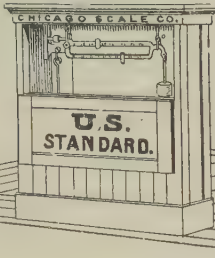
## CHICAGO SCALE COMPANY

1021 Jackson  
Boulevard

Chicago, Ill.

Require No Fit

Strong  
Accurate  
Durable

Write for  
Catalogue

Manufacturers of all kinds of  
**U. S. STANDARD SCALES**  
Best Scales Made For  
**Stock, Hay, Grain and Merchandise**

Official Scale at all Fat Stock Shows  
Highest Premiums Awarded at all Expositions

Only Scales Made Arranged to Hang in SOLID STEEL FRAMES

## SALT

NEW BARRELS  
NEW SALT  
PROMPT SHIPMENTS

WRITE US FOR PRICES  
**THE COLONIAL SALT CO.**  
AKRON, O.

MANHATTAN BLDG.  
CHICAGO

D. S. MORGAN BLDG  
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## Sample Envelopes

Non-Sifting

Designed especially for mailing samples of  
grain and seed. Specimens Free.

**TULLAR ENVELOPE CO.**  
67 Larned St. Detroit, Mich.

**RATS & MICE**  
EXTERMINATED  
SCIENTIFICALLY

Without danger. No odors. Ask the  
**PASTEUR LABORATORIES OF AMERICA**  
Room 862, 443 So. Dearborn St. Chicago, Ill.


## ALLEN'S ANTI-RUST PAINT

THE NAME DESCRIBES IT.

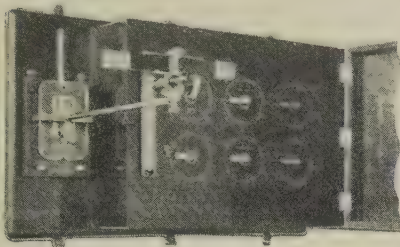
Proof against salt, acids, alkalis,  
fumes, sun, water, time.

**COSTS LITTLE—LASTS LONG.**

If interested write us.

**ALLEN ANTI-RUST MFG. CO.**  
439 RACE ST. CINCINNATI, O.

## THE ZELENY THERMOMETER


will register in your office instantly the exact temper-  
ature of your grain in any part of your elevator and  
in any depth of the bin.

### AUTOMATIC HOT JOURNAL ALARM SYSTEM

installed in country elevators as well as terminal  
houses. The reduction in the rate for FIRE INSUR-  
ANCE will soon pay for the system.

We have enough testimonials on file from owners of  
systems installed to satisfy the most skeptical. Write  
for our descriptive matter.

**Western Fire Appliance Wks.** 542 So. Dearborn St. CHICAGO, ILL.

The grain trade's accepted medium for "Wanted" and "For Sale" ads.  
is the GRAIN DEALERS JOURNAL of Chicago, because such ads. placed in it  
bring quick returns.

## Grain Shipping Ledger

**FORM 24**

An indexed shipping ledger for keeping a  
perfect record of the shipments of 5,000 cars.  
A page is given to each firm to whom you ship  
and name indexed. The pages are 10½x15½  
inches, used double.

Across top of left hand page is printed  
"Shipments To....." the column  
headings on this page are: Date Shipped;  
No.; Car Initial; Car No.; Kind of Grain;  
Grade; Bushels or Weight; Price; Am't of  
Dratt; Remarks. The right hand page is  
ruled with column headings as follows: Date  
Returned; No. Bushels Returned; Grade;  
Date Sold; Price; Freight Paid; Other  
Charges; Total Charges; Over Charges; Net  
Proceeds; Balance. Above the date column  
on each page are the figures "190." In the  
column headed "No." on each page is a col-  
umn of figures running consecutively from  
1 to 50, thus numbering the lines on each page  
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pages.

The book contains 100 double pages. The  
best linen ledger paper is used. The regular  
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names necessary. The book is tight bound  
in heavy cloth covers with leather back and  
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## GRAIN DEALERS JOURNAL

255 La Salle Street, Chicago, Illinois

## Mention This Journal

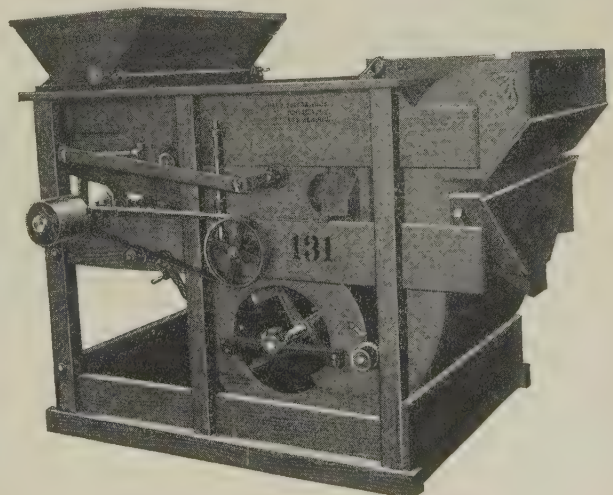
When you write to  
any of our Adver-  
tisers; you'll get a  
prompt reply.

## THE BIGGEST IMPROVEMENT

A GRAIN OR SEED DEALER CAN MAKE

IS TO  
INSTALL

A  
**STANDARD  
SEED & GRAIN  
CLEANER  
WHY?**

Because experience  
has proven that this  
cleaner is excelled by  
none when properly  
placed and run at re-  
quired speed, to be per-  
fect in material and  
construction. We guar-  
antee this. For further  
points of superiority  
write

**INTERNATIONAL MFG. CO., CRESTLINE, OHIO**



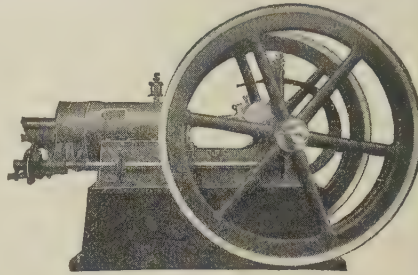
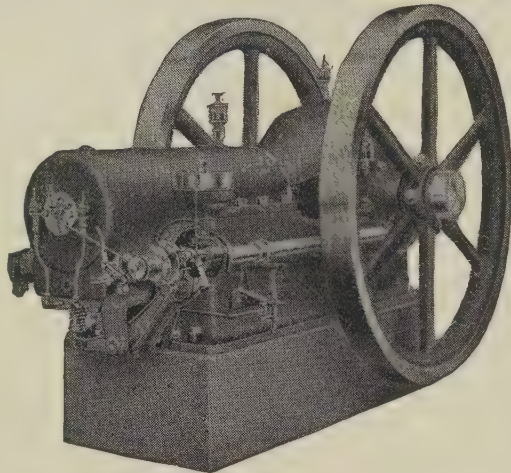
**WITTE GAS AND GASOLINE ENGINES**

All sizes; any grade fuel.  
The Elevator and Grain trade our specialty.  
The Witte represents the highest perfection in  
accuracy and mechanical workmanship.  
All valves vertical and self-seating.  
Bensonized Bronze Bearings.  
Automatic wipe oilers.  
Noiseless safety Auto Mufflers.

**FIVE YEAR BOND GUARANTEE**

Prompt Deliveries Complete Equipments.  
Get Elevator Catalog X

**WITTE IRON WORKS CO.** 1626 Oakland Ave., KANSAS CITY, MO.

**THE FIELD = THE ENGINE OF NATIONAL SUPREMACY**

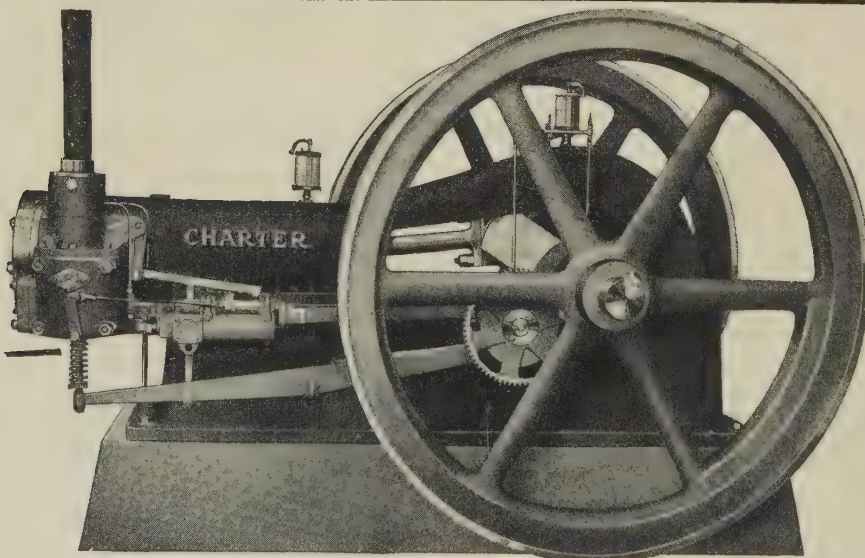
The Field Engine is today the highest class Engine built in America, and is one of the most popular Elevator Engines.

If your dealer does not carry them, write direct to

**The Field Brundage Company**

302-332 Belden Road

Jackson, Mich., U. S. A.



Original Gasoline Engine of the World. 100 H. P. and smaller for all kinds of work. Gasoline, Kerosene, Naphtha, Distillate, Fuel Oil (very economical).

Send for Catalog and give Specifications.

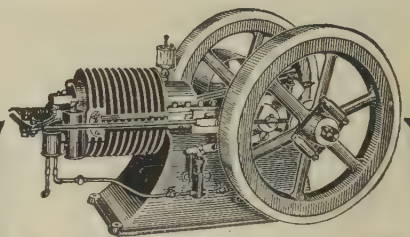
**Charter Gas Engine Co., Box 509, Sterling, Ill.**

Figure the amount of advertising carried—Can you doubt our ability to **Produce Results**

**FOOS****GAS AND GASOLINE ENGINES**

Have reached their present state of perfection as a direct result of 22 years experience in manufacturing them. These engines are built in the largest exclusive gas engine plant in America where they have the advantages of superior superintendence, and the best shop equipment. Catalogue No. 20 explains points of great interest to prospective engine purchasers. Send for it. Horizontal and vertical 2 to 500 HP.

**THE FOOS GAS ENGINE CO.**  
SPRINGFIELD, OHIO.



**THE SAME POWER ON LESS FUEL**  
is a mighty good investment, then invest in this fan and waterless Gas Engine, which by 30 days FREE TRIAL will prove to you that it will run on one-third less gasoline than any other make.

**GADE BROS. MFG. CO., 110 Main St., Iowa Falls, Ia.**

**Belting, Belt Dressing  
Pulleys, Hangers,  
Shafting and Supplies**

Gas and Gasoline Engines

**THE OSBORNE & SEXTON  
MACHINERY CO.**

Russell Street COLUMBUS, O.

**Duplicating Scale Ticket Book**

No. 62, is designed especially for country dealers who use scale tickets. It is a book 9x12 inches, check bound in heavy board covers. It contains 200 sheets, 100 white sheets being interleaved with 100 manila sheets. On one side of the white sheets are printed 8 scale tickets and the sheet is perforated so that each ticket can easily be removed. Each ticket is printed, ruled and spaced for the following information: Date; Bot of; Price per Cwt; Price per bu.; Driver on; Off; Gross; Tare and Net Lbs.; Net Bus.; Weigher. A sheet of carbon is placed between the white and manila sheets, so that the weigher tears out a ticket and gives it to each driver, retaining a carbon copy of it. 800 tickets in each book with a rubber stamp for quickly filling in name of buyer. Price \$1.25.

**Grain Dealers Journal**

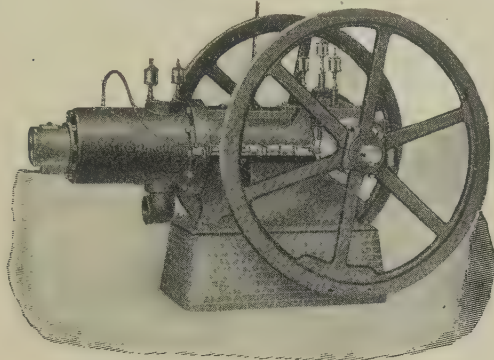
255 LaSalle Street, Chicago, Ill.



**50c** Runs a 25 Horse  
**A DAY** Power 10 Hours

## The Muncie Oil Engine

"Producing Power with the Cheapest Fuel."



It Operates on Crude Oil, Fuel Oil, Kerosene or Distillate. The few working parts reduce possible repairs and expenses to a minimum making the engine pay for itself in a short time.

*Write for particulars, references and prices.*

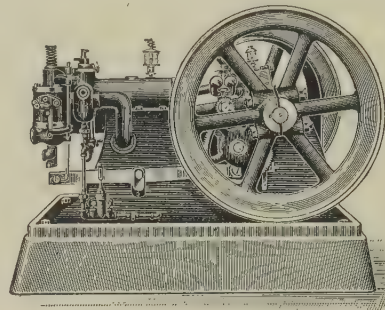
**Muncie Gas Engine & Supply Company**  
Mulberry St. and Railroads **MUNCIE, INDIANA**

## Get to Know the ALAMO

IF YOU HAVE TRIED THE REST, NOW TRY THE BEST

Alamo engines are built in sizes from 2 to 60 H. P. Are used by the largest railroad companies in the world, as well as some of the largest grain elevator companies.

Write us and we will give you the names of men near you who have an Alamo.



**Easy to Start  
Economical  
Durable**

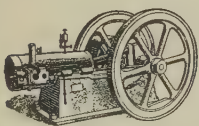
Complete stock of repairs at the Omaha house.

Manufactured by the **Alamo Mfg. Co., Hillsdale, Mich.**

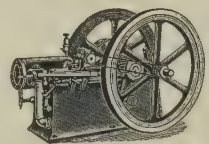
**WRITE**

**ALAMO ENGINE & SUPPLY CO., Omaha, Nebr.**  
for Information and Catalog in Central Western States.

## You Elevator Men—Read This:



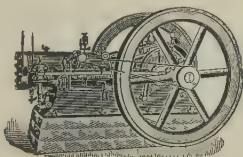
I want to tell you where I come in on the **Improvement** deal. You use a combustion engine. Perhaps you need a larger one. Then I'll trade for your old engine and sell you a Rebuilt. If you want new power then I have a Rebuilt engine for you, guaranteed to give satisfaction. I can furnish you the best known makes in the world at prices considerably under the cost of a new one,



I claim I am the biggest dealer in **Rebuilt** gas engines in the world, and I ought to know, for I began buying gas engines when most of the grain dealers now in business were boys. People with gas engines for sale know me. I've got cash ready for them any time. I buy my engines at reduced prices. Then the work begins.

I set my skilled workmen at these engines and they overhaul them. Wherever there is a weak part it is taken out and a new piece substituted. We use engine sense when overhauling and if we see a chance to improve an engine we do it. Every engine which leaves my shop is thoroughly McDonaldized and I stand behind my claim for that engine.

Grain dealers have learned when they buy an engine from me that it's a runner. They get more than value received out of it because I sell practically new engines at second-hand prices. If you want to start the season making money by saving it, then write me about the kind of power you need. I can fix you up with an engine at a way down price. But you better write quick. I shipped out a car load last week and inquiries are coming in fast. Let me furnish your power.



**A. H. McDONALD**

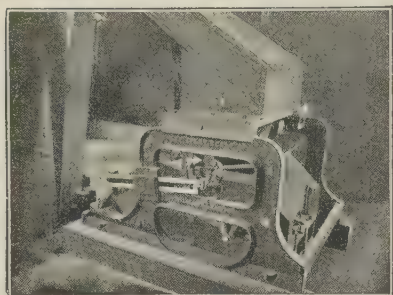
**547 West Monroe Street**

**CHICAGO**





# AVERY



**WEIGH  
YOUR  
SCALE  
BEFORE  
BUYING**

## YOUR BANK BALANCE FIGURES

**FOLLOW THE LEAD OF  
YOUR WEIGHT FIGURES**

**Would you trust the handling of your BANK ACCOUNT  
to the first man to ask you for it without investigation?**

**YOUR SCALE RUNS YOUR  
BANK ACCOUNT**

**GET ITS REFERENCES!**

**AVERY SCALE CO.**

**NORTH MILWAUKEE, WIS**

## Fairbanks Portable Automatic Scales

**Weigh the grain quickly and accurately.**



Adjustable platform. Easily moved. A saver of time, labor, material and mistakes.

Will soon pay for itself in any mill or elevator.

Send for Catalog No. AW550

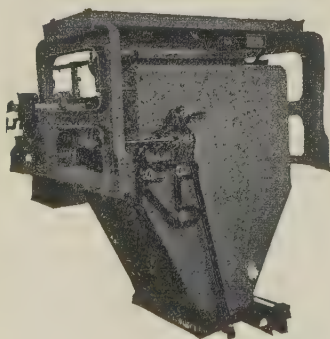
**Fairbanks, Morse & Co.,** 900 South Wabash Avenue  
Chicago, Illinois

### SET OF BOOKS for Grain Dealers

Form 380 Record of Wagon Loads Bought } **PRICE, \$3.00**  
Form 385 Record of Car Loads Shipped }  
**GRAIN DEALERS JOURNAL, 255 La Salle St., Chicago**

## Do You Realize What a Remarkable Success the RICHARDSON AUTOMATIC SCALE

**Has Been During the Last 20 Years?**



So successful has it been that today it is held to be **The Standard Automatic.** ¶ Go where you may—and you will find **“The Richardson.”** There are thousands of them in America. They are also to be found in all European countries—South America, Africa, India, Japan, etc. Why is this? Well, first of all it's because **The Richardson Automatic** is an accurate scale—it has been officially tested and accepted as accurate. It's built with an equal armed beam, which finds its own level when the elevator settles and so is always accurate. ¶ It's so simple that any one can operate it. There are **no** complicated adjustments for the user to attend to. The scale will be accurate today—tomorrow and ten years hence. ¶ Drop us a line and say you are interested. We are ready to show you and can ship you a scale right away.

## Richardson Scale Company

**79 W. Monroe Street, Chicago**

**6 Park Row, New York.**

**413 Third St., South, Minneapolis**



# The Wrecking of the Terminal Elevator INDIANA

Formerly Owned by the C. & W. I. R. R. (Chicago)

Affords

## AN EXCEPTIONAL OPPORTUNITY

To GRAIN DEALERS Remodeling or Improving Their Elevators.

### WHITE PINE LUMBER

5,000,000 ft. lumber consisting of timbers, 2" planking, etc. All in the best condition, better than lumber of present date.

## ALL ELEVATOR EQUIPMENT SCALES

30 Fairbank Hopper Scales, all in first class shape; these can be had at a great reduction.

### BELTING AND BUCKETS

6 ply rubber belting with buckets attached, 250 ft. long, are as good as new, and belts are even more pliable than when first purchased.

Dust Collectors, Elevator Boots, Boot Tanks, Wood and Tin Spouting, Elevator Heads and Spiral Conveyors

Someone is going to get a bargain, don't let delay in writing for information stop you.

### B. GRAFF & COMPANY

Care Indiana Elevator, 20th St. & Chicago River. WRECKERS

CHICAGO, ILL.

## Grain Receiving Register

This book is designed to facilitate the work of the country grain man in keeping a record of wagon loads of grain received.

At top of the 11 columns are printed Date, Name, Kind of Grain, Gross, Tare, Net, Bushels, Pounds, Price, Amount, and Remarks.

Each book has 100 pages, 8½ x 14 inches, and each page 40 lines, making each book contain spaces for records of 4,000 loads. The book is well printed and ruled on linen ledger paper, and substantially bound in extra heavy canvas covers. Order Form 12AA. Price \$1.50.

GRAIN DEALERS JOURNAL, 255 LaSalle St., Chicago, Ill.

## Sales, Shipments and Returns Book

is invaluable to the country grain man in keeping record of his sales, shipments and returns from the shipments made. Its use will save much time and book work. The pages are 10½ x 16½ inches, used double. The left-hand pages are ruled for information regarding SALES and SHIPMENTS; the right-hand pages for RETURNS. Under SALES the column headings are Date, Amount Sold, Price, Grain, Terms. Under SHIPMENTS are Date, Car No. and Initial, Our Weights, In Bushels, Grade, Route, Rate. Under RETURNS are Destination Grade, Difference, Bushels, Over, Short, Gross Proceeds, Freight, Over, Short, Commissions, Other Charges, Total Charges, Net Proceeds, Drafts, Remarks.

No. 14 AA contains 76 double pages, with room for records of over 2,200 cars. It is well bound in heavy canvas covers with leather corners, and printed on linen ledger paper. Price \$2.00.

GRAIN DEALERS JOURNAL, 255 La Salle St., CHICAGO, ILL.

## THE EXPERIENCE OF OTHERS

### COAL SALES BOOK

FOT RETAIL COAL DEALERS

It facilitates bookkeeping, and reduces the chance for error. Practically three books in one: 1. Original entry of all sales made. 2. Original entry of the scale weights. 3. Journal from which the posting is done.

It contains spaces for 6,000 wagon loads. Each page is ruled with column headings, as follows: Date, Ledger, Folio, Purchaser, Gross, Tare, Net Pounds, Price Per Ton, Amount.

This book is 8½ x 14 inches and contains 150 numbered pages of superior ledger paper. Well bound with best binder board, covered with cloth, leather back, and round leather corners.

Order Form 44. Price, \$1.75.

GRAIN DEALERS JOURNAL

255 La Salle St., CHICAGO, ILL.

### GRAIN DEALERS JOURNAL

255 La Salle St., Chicago, Ill.

*Gentlemen:*—In order that I may profit by the experience of others in the grain trade, please send me the *Grain Dealers Journal* on the 10th and 25th of each month. Enclosed find One Dollar and Fifty Cents.

Name of firm.....

Capacity of Elevator      Post Office.....

.....bus.      State.....



¶ We do not sell small plants direct.

¶ We solicit this class of business through dealers.

¶ We can separate our coal into all sizes with shaker and roller screens.

¶ Write us for contract prices.

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## Lincoln-Springfield Coal Company

Old Colony Bldg. :: CHICAGO

# COAL!

## Lill-Robinson Quality

is MORE than the standard; it is the best! When you buy

### "L-R" Coal

you not only get the very best the market affords, but you get even more than this. You get

## Lill-Robinson Service

This means that when you order coal from the "L-R" Company, you get "what you want when you want it," and if you have had much experience in buying coal you know what this means.

We are shippers of the very best coal from the following fields:

"ECONOMY" 6" Lump and Egg and 3" Nut, Franklin County, Illinois.

CARTERVILLE 6" Lump and Egg and 3" Nut, Southern Illinois.

"GOOD WORTH" Lump, Egg and Nut, from Indiana.

LONE RIDGE POCAHONTAS from West Virginia.

SUNDAY CREEK HOCKING, Ohio.

Write us for delivered prices at your station.

### LILL-ROBINSON COAL COMPANY

203 S. DEARBORN ST., CHICAGO

Long Distance Phone, Wabash 3288—ALL DEPARTMENTS

# IMMEDIATE SHIPMENT

VIA ALL LINES

# HARRISBURG COAL

DOMESTIC LUMP over a 6-in. Shaker Screen

DOMESTIC EGG through a 6-in. and over 3-in. Shaker Screen

DOMESTIC No. 1 NUT through a 3-in. and over 2-in. Revolving Screen

## We Load Sealed Box Cars

Operators also in the following fields: Linton No. 4, Green County, Ind.; Springfield, Ill.; Clinton, Ind.; Fairmont, W. Va.; Cambridge, Ohio

# O'GARA COAL CO.

General Offices  
Marquette Bldg.

CHICAGO, ILL.

Minneapolis Office:  
209 Lumber Exch.



## "Wanted" and "For Sale"

The rate for advertisements in this department is 20 cents per type line each insertion

### MACHINES FOR SALE.

**FOR SALE**—3,000 Salem cups, good as new; sizes 6 in. x 16 ins. and 6 ins. x 18 ins. at 15c each. A snap. LaCrosse Wrecking Co., LaCrosse, Wis.

**FOR SALE**—A practically new No. 1 Monarch separator. Purchased last fall; has had no misuse; a bargain. Write Monroe Model Mill, Monroe, Wis.

**FOR SALE**—One Bowsher crusher and grinder combined with elevator attachment, No. 7; one burr (stone) grinder made by the Richmond Mills Works, No. 8; one Western corn sheller and cleaner combined, 800 bus. per hour; one Brownell engine, 9x12, 25 h. p.; one Gem City boiler, 30 h. p. All in good condition. Fred Schlientz & Sons, Eldorado, Ohio.

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**FOR SALE**—4 Fairbanks hopper scales, 1 No. 9 and 1 No. 8 Monitor separator, 1 Rochester flax grain and seed cleaner, 1 double car unloader, 1 car puller, 2 friction clutch pulleys, 2 distributing spouts, 1 4 h.p. steam engine, 1 fire pump, 2 steam pumps, 1 heater and purifier, 6 hopper tanks for boots, 1 26 in. rubber drive belt, 2 26 in. and 2 24 in. conveyor belts. We will make a very low price on any of these articles as we wish to move them in the next thirty days. LaCrosse Wrecking Co., LaCrosse, Wis.

**SECOND HAND FOR SALE**—Attrition mills: 3-24" Cogswell's; 1-24" Monarch; 1-20" Unique; 2-24" Foos; 1-19" Foos; 3 pair high roller mills; 2-9"x18" Noye gear drive; 1-9"x15" Case; 1-7"x18" 3 pair high Alfsee, belt drive; 1-7"x15" Alfsee, 2 high roller mill. Separators: 1 No. 1½ Barnard & Leas milling, 1 No. 31 Barnard & Leas Receiving; 1 No. 258 Eureka Magnetic, 25 bu. cap.; 1 No. 256 Monarch Magnetic, 50 bu. cap.; 1 No. 0 Howes Magnetic, 35 bu. cap. Dust collectors: 1 No. 3 P, 1 No. 4 A, 1 No. 2-B Wilson Tubular, 1 No. 2 Monarch. Address Sprout, Waldron & Co., P. O. Box 260, Muncy, Pa.

**SECOND HAND MACHINERY.**—We offer the following Rebuilt Machinery at greatly reduced prices (subject to prior sale): Largest stock in the world.

**Separators**—Big lot large and small capacities.

**Feed Mills**, 7x14 Great Western, 7x14 Nordyke & Marmon, 9x14 Allis, 9x24 Barnard & Leas, all two pair high; 7x14 Richmond 7x14 Nordyke & Marmon, 9x18 Noye, 9x18 Smith, 9x18 Nordyke & Marmon, 9x24 Alfsee, 9x30 Wolf, all three pair high, and many others.

**Roller Mills**, 9x30 and 9x18 Stevens single; 9x18, 9x24 & 9x30 Allis, Stevens, Barnard & Leas, Nordyke & Marmon, Case double and 300 more of various makes and sizes.

**Attrition Mills**, 19 inch, 22 inch and 26 inch Foos, 30 inch American, 22 inch Unique.

**Corn Crushers**, No. 7, 8, 9 and 10 Bowsher; No. 1 Foos; No. 2 Triumph, No. 12 Sullivan.

**Elevator Belts**—A big lot with buckets attached of various lengths and sizes.

**Pulleys**—A big lot, both wood and iron, from 3 inch to 10 ft. in diameter.

Write for new book "Gump Bargains," giving complete list all machines in stock.

**B. F. Gump Co.**, Mill and Elevator Machinery, 431 S. Clinton St., Chicago.

### MACHINES FOR SALE.

**POWER SHOVEL FOR SALE.** One power automatic double shovel for unloading wheat from cars. Good condition. The Ansted & Burk Co., Springfield, O.

**ONE MARSEILLES** dump controller and one chain conveyor, 12 inches wide, 9 ft. long; capacity 1,000 bus. per hour, in good condition. Will sell cheap. Stumbaugh & Clark, Abingdon, Ill.

**FOR SALE**—24 inch Monarch attrition mill in good condition with under running drive complete. Will sell cheap for quick sale. Address Cheap, Box 7, Grain Dealers Journal, Chicago, Ill.

**KINGLANDS SENIOR SHUCK CORN** sheller mounted on trucks complete and in good shape; will sell cheap because there is not enough corn shelled in this section to pay. J. S. Klingenberg & Son, Concordia, Mo.

### MACHINES WANTED.

**WANTED**—Good second hand warehouse separator having a capacity of 800 to 1,000 bus. per hour. State make. Brooks Elevator Co., Minneapolis, Minn.

### GASOLINE ENGINES.

**FOR SALE**—36 inch Eclipse F. C. Pulley complete, good as new. C. McNulty, Wichita Kans.

**ONE 16-H.P. FAIRBANKS-MORSE** gasoline engine for sale. First class repair. Price \$400. H. A. Robinson Grain Co., Colorado Springs, Colo.

**60 H.P. FAIRBANKS-MORSE** solar oil engine complete. Run 15 months; good as new, completely overhauled. C. McNulty, Wichita, Kans.

**WE OFFER** 5, 6, 12, 25 and 50 h.p. Fairbanks-Morse engines for quick sale. Have also a 30 h.p. McVicker like new and many other sizes and styles. State your requirements. Gas Power Engineering Co., Milwaukee, Wis.

**FOR SALE**—One 1,400 h.p. E. P. Allis-Reynolds Corliss engine, 32 and 60 inches by 60 inches, tandem compound, right hand with independent condenser and air pump. Address Pillsbury Flour Mills Co., Minneapolis, Minn.

**FOR SALE AT BARGAIN PRICES**, several new, near-new and rebuilt gas and gasoline engines of our own make in sizes 8 to 50 h. p. Write us your requirements—we can give you just what you want while they last. The New Era Gas Engine Co., 86 Dale Ave., Dayton, Ohio.

**FOR SALE AT BARGAIN PRICES** 1 20-h. p. Nichols & Shepard traction engine.

1 12-h. p. Stevens traction engine.  
1 20-h. p. Atlas L. H. automatic stationary engine.

1 35-h. p. Western R. H. side crank stationary engine. All in first class condition. Union Iron Works, Decatur, Ill.

### GASOLINE ENGINES FOR SALE.

44 H. P. Fairbanks-Morse.

25 H. P. Columbus.

25 H. P. Fairbanks-Morse.

22 H. P. Fairbanks-Morse.

15 H. P. Fairbanks-Morse.

12 H. P. Fairbanks-Morse.

6 H. P. Fairbanks-Morse.

4 H. P. Fairbanks-Morse.

Also fifty engines of varied sizes and all makes. Address A. H. McDonald, 547 W. Monroe St., Chicago, Ill.

### GASOLINE ENGINES

**ONE 50 H. P. IMPROVED MILLER GAS** engine for sale. Gregory Electric Company, 16th & Lincoln Sts., Chicago, Ill.

**ONE 8 H. P. FAIRBANKS-MORSE** gasoline engine for sale at \$75, if taken quick. Address W. W. Little, Tipton, Iowa.

**FOR SALE**—50 h.p. Otto gasoline engine, fine condition, \$800; also 3 h.p. Fairbanks-Morse \$75.00 A. Stainforth, 56 Pemberton St., Boston, Mass.

### ENGINES WANTED.

**WANTED**—A first class second hand 10 to 15 h. p. gasoline engine. Kinsey Bros., North Manchester, Ind.

### STEAM ENGINES—BOILERS.

**1 150-H. P. WATER TUBE BOILER** and 100 h. p. steam engine for sale. In good condition. Address Boiler, Box 5, Grain Dealers Journal, Chicago, Ill.

**BARGAIN**—12x24 slide valve engine; one 48x20 boiler, with 12-6 in. flues; one 44x16 boiler, with 3 in. flues; one water heater with all fittings. Cheap. Wright City Milling Co., 409 N. Fourth St., St. Louis, Mo.

**NEW FROST 33 H. P. ENGINE** and 40 h. p. boiler for sale. Run less than a week. The elevator burned a few days after completed and the engine and boiler were located in a brick, metal roofed building and were not damaged. Have no use for them and will sell cheap. Windsor Grain Co., Windsor, Illinois.

### ENGINES AND BOILERS.

Steam engines—Corliss, automatic and slide valve.

Boilers—Tubular, portable & water tube. Gas and Gasoline Engines.

1—10 h. p. Fairbanks-Morse gasoline engine.

1—22 h. p. Fairbanks-Morse gas engine.

1—18 h. p. Model gas engine.

1—25 h. p. Climax gas engine.

Cleveland Belting & Machinery Co., Cleveland, Ohio.

### REBUILT ENGINES AND BOILERS.

**ENGINES—CORLISS:** 20x48 Wheelock, 18x36 Ohio Heavy Duty, 14x42 Hamilton, 14x36 Vilter, 12x36 Allis, etc.

**ENGINES—AUTOMATIC:** 15x14 Erie, 14½x16 Buckeye, 11x16x12 Buffalo Compound, 13½x15 Taylor, 13x16 Erie, 13x12 Harrisburg-Ideal, 13x12 Phoenix, 12x14 Green, 12x12 Armstrong & Sims, 11x16 Atlas, 10½x14 Buckeye, 10x14 Noyes, 9x12 Russell, 7x10 Atlas, etc.

**ENGINES—THROTTLING:** 16x22 & G., 14x18 Sinkers-Davis, 14x14 Lewis Vertical, 12x16 Reed, 12x14 Gibbs, 12x12 Wells, 10x16 Bass, 10x12 Oil Well, 9x12 Ball, 9x10 Reed, 8½x12 Lefell, 7x10 O. & S., 6x8 Industrial, etc.

**BOILERS—STATIONARY:** 72x18 high pressure, 72x18 standard, 72x16, 66x16, 60x16, 60x14, 54x16, 54x14, 48x14, 44x14, 44x12, 42x12, 36x16, 36x12, etc.

**BOILERS—FIRE BOX:** 100, 80, 60, 50, 40, 35, 30, 25, 20, 16, 12, 10 and 8 h. p., etc.

**BOILERS—VERTICAL:** 50, 40, 35, 30, 25, 20, 16, 12, 10, 8, 5 and 3 h. p., etc.

**HEATERS.** All sizes, open and closed.

**PUMPS:** All sizes, single and duplex.

**MISCELLANEOUS:** Saw mills, lath mills, edgers, cut-off saws, re-saws, blowers, exhaust fans, tanks, etc. Write for list. Also full assortment of new machinery. Sole manufacturers of the celebrated "Leader" Injectors and Jet Pumps. Send for circular. The Randle Machinery Co., 1748 Powers St., Cincinnati, Ohio.



**ELEVATORS FOR SALE.**

**ELEVATOR FOR SALE** in corn belt. Easy terms. Coon Bros., Rantoul, Ill.

**ELEVATOR, COAL BINS AND** hay shed with a good feed and flour trade for sale at a bargain. Box 363, Upland, Ind.

**SOUTHEAST NEBRASKA**—20,000 bu. elevator for sale in good corn and wheat country. Gasline power. Address A. N. Y., Box 9, Grain Dealers Journal, Chicago, Ill.

**MINNEAPOLIS, MINN.** For sale, small terminal elevator. Nearly new, modern, up to date machinery, built for cleaning, mixing and transferring. For particulars address H. E. C., Box 6, Grain Dealers Journal, Chicago, Ill.

**CENTRAL MINNESOTA**, on Great Northern Ry., two modern, nearly new elevators for sale. Large adjacent territory and good competition. For particulars address Marion, Box 6, Grain Dealers Journal, Chicago, Ill.

**WESTERN OHIO.** 15,000 bu. elevator and 150 bbl. mill combined. Splendid plant; 160 h. p. engine; good grain territory, shipping 200 cars grain annually. For sale at a bargain. Address H. B. H., Box 8, Grain Dealers Journal, Chicago.

**OKLAHOMA**—For sale or trade, 15,000 bu. elevator and 125 bbl. Barnard & Leas roller mill in good condition. Complete meal outfit; also best shelling rig in Okla. Crop outlook best for years. Temple Milling Co., Temple, Okla.

**ELEVATOR, FEED AND MEAL MILLS**, fireproof storage warehouse 100 cars capacity; only mill in city of 20,000; established trade on feed specialties; located in one of the southern gateways. Write for full particulars. Box 666, Newport News, Va.

**OKLAHOMA.** New modern elevator in best corn belt in Okla. 20,000 bu. capacity, good competition; will handle at this point in an average season 100,000 bus. oats, 75,000 bus. wheat, and 200,000 bus. corn. Splendid opportunity for right parties; will make terms to suit. Address B. A. H., Box 8, Grain Dealers Journal Chicago, Ill.

**INDIANA**—For sale, 25,000 bu. modern elevator doing a business of about 200,000 annually. Wholesale feed and flour business in connection. Equipped with two dumps feed grinder, corn sheller. Town 1,000 inhabitants, good community; no competition. Price \$7,000. Address Indiana, Box 9, Grain Dealers Journal, Chicago, Ill.

**MINNESOTA AND DAKOTA.** Ten elevators in Central Minn., eight in No. Dak. Owners wish to retire from business and will sell at a low price and give good terms. Coal sheds in connection. Will divide line if desired. Address Dakota, Box 4, Grain Dealers Journal, Chicago.

**INDIANA.** Modern elevator for sale. Equipped with the best machinery including a 25 h. p. steam engine, 3 wagon dumps and a feed grinder. Basement will hold 2,000 bu. ear corn. Two loading bins and 3 storage bins. Good location, no competition. Good reasons for selling. Address T. M. C., Box 8, Grain Dealers Journal, Chicago, Ill.

**IOWA**—For sale, one of the best equipped small cribbed elevators in southern Iowa. Coal and produce business in connection; new Western sheller and cleaner in building; two dumps and a grinder; price including everything in connection with the business \$7,000. Cash deal only. Do not answer unless you mean business. Crop prospects never better; no competition in town. Address Box 136, Shannon City, Iowa.

**INDIANA.** 2 elevators in northwestern Ind. for sale. One has a capacity of 80,000 bu., and the other 18,000 bu. Best of shipping facilities; in good grain section; coal and hay business in connection; handle 500,000 bus. of grain at both stations annually. Reason for selling, wish to retire. For further particulars address T. A. H., Box 2, Grain Dealers Journal, Chicago, Ill.

**ELEVATORS FOR SALE.**

**NORTHWESTERN OHIO.** For sale, one of the best elevator and coal propositions in the state. Address C. O. D., Box 7, Grain Dealers Journal, Chicago.

**SOUTHWESTERN IOWA** elevator and coal business for sale in town of 1,500. Good territory; on own ground. Address I. R. V., Box 10, Grain Dealers Journal, Chicago, Ill.

**SOUTHEAST NEBRASKA.** For sale 8,000 bu. capacity gasoline power elevator. Good repair; in good corn and wheat country. Address Lee Erisman, R. R. No. 2, Auburn, Nebr.

**LOGAN COUNTY, N. D.** 35,000 bu. capacity elevator for sale in Logan County. N. D., everything in first class condition. Good reason for selling. Address J. H. M., Box 7, Grain Dealers Journal, Chicago, Ill.

**LINE OF 22 COUNTRY ELEVATORS** for sale, all located in good territory; 15 in Minnesota and 7 in North Dakota. Will sell as a line or single. Excellent proposition. Address Proposition, Box 5, Grain Dealers Journal, Chicago, Ill.

**ELEVATOR IN TEXAS** for sale, 50,000 bu. capacity, in good repair, only one in town of 4,000. splendid grain crops; will sell either cash or terms; cost over \$10,000 to build; bargain price if sold soon. Address either Geo. E. Clark, Mangum, Okla., or H. A. Kight, Hamlin, Tex.

**KANSAS ELEVATOR, FEED AND** flouring mill for sale. Excellent business; will sell together or separate; elevator 10,000 bus. capacity, mill 75 bbl. capacity. Will consider some exchange. Address Combination, Box 9, Grain Dealers Journal, Chicago, Ill.

**WACO, TEXAS.** For sale, one of the best up-to-date modern grain elevator, warehouse, corn sheller combined, to be found in the state of Texas. Will sell at a bargain or trade for real estate in Texas. Address all communications to Eugene Early, Waco, Texas.

**CENTRAL MINNESOTA.** 25,000 bu. elevator with fuel and feed business; splendid country; crop principally wheat, with all kinds of coarse grains; good town to live in and for business if handled by a wide awake grain man. Price and terms right. Address Sota, Box 4, Grain Dealers Journal, Chicago, Ill.

**NORTHWESTERN OHIO**—Elevator, up-to-date and doing a profitable business. 100,000 bu. grain, 1,200 tons coal, 8 seeds at a profit. Two trunk lines; good town of 900 to live in; other side lines can be added. Write quick, going to be sold. Best of farming country. Address Bargain, Box 9, Grain Dealers Journal, Chicago, Ill.

**WESTERN OHIO.** For sale 35,000 bu. capacity elevator. Equipped with 35 h. p. engine, 45 h. p. boiler, corn sheller, dumps, cleaners and all machinery. 27,000 bus grain and 7,000 bus. ear corn; large cob house and flour room; good flour trade and handles about 800 ton coal annually; located on two railroads and own ground of 1½ acres; fine town of 800 population; two banks and electric lights; fine agriculture county and good spot for corn, oats and wheat. This is a money maker. Address W. P. O., Box 8, Grain Dealers Journal, Chicago, Ill.

**NORTH CENTRAL IOWA**—For sale, two elevators. One elevator 44,000 bu. cap., cribbed; good repair; everything complete, 6 h. p. gasoline engine, hopper scales, 3 large corn cribs; flour, feed, tile and hay in connection; town handles 300,000 bu. a yr. and better; population 1,500; one competitor; price \$4,300 cash. Other house is 22,000 bu. cap. cribbed; equipped same as other house; coal, tile, hay and flour in connection; one competitor; town averages 225,000 bu. a yr.; good margins; has two banks; price \$3,900 cash. \$7,800 takes both houses; \$4,500 cash, balance 1, 2 and 3 yrs. Address Opportunity, Box 9, Grain Dealers Journal, Chicago, Ill.

**ELEVATORS FOR SALE.**

**IF YOU WANT TO SELL YOUR BUSINESS** write to the Manager of the Want Dept., Grain Dealers Journal, Chicago, Ill.

**FOR SALE OR EXCHANGE**—Practically new, only elevator and corn meal mill in city of 3,000. Heart of corn belt. 3 R. R.'s. W. J. Gunby, Chillicothe, Mo.

**SOUTH DAKOTA**—For sale, modern and up-to-date elevator. Capacity 30M; does 125,000 bu. business per year and 1,000 tons coal business. Lock Box 96, Conde, So. Dak.

**IOWA.** 15,000 bu. elevator in good condition for sale. Good territory and plenty of grain to handle. Address Territory, Box 8, Grain Dealers Journal, Chicago, Ill.

**HARPER COUNTY.** For sale 6,000 bu. elevator on A. T. & S. F. track. Price \$3,000 if sold within 60 days. Address Will, Box 8, Grain Dealers Journal, Chicago.

**CENTRAL IOWA.** For sale 40,000 bu. elevator, mill, coal, feed and seed business. Best proposition in state. Address Central, Box 8, Grain Dealers Journal, Chicago, Ill.

**FOR SALE**—Established wholesale grain business. Elevator and warehouses for rent in city of 100,000 inhabitants. Address Joseph Courand, San Antonio, Texas.

**IOWA.** \$5,800 cash and the balance in two equal payments, will buy one of the best elevator properties in the state of Iowa. Address Snap, Box 8, Grain Dealers Journal, Chicago, Ill.

**NORTHEASTERN ILLINOIS**—For sale, \$6,500 or rent \$75 per mo., 30M. cribbed first class elevator. Receipts about 200,000. No competition. Address M. E. Y., Box 9, Grain Dealers Journal, Chicago, Ill.

**ELEVATOR IN NORTHERN IOWA** doing good business, no competition. Past results will show property will pay a high rate of interest on the investment. Cash trade only. Address Iowa, Box 5, Grain Dealers Journal, Chicago.

**CENTRAL IOWA.** 15,000 bu. elevator located on Northwestern Ry. Equipped with all modern machinery; good coal business in connection. Population of town 3,000. Reason for selling, have other business. For further particulars address C. B. Turner, Iowa Falls, Iowa.

**ILLINOIS**—For sale, a 30,000 bu. elevator located in the best grain territory of central Ill. on land leased of the I. C. R. R. Studded bins; 4 dumps; has Western sheller and cleaner; Monarch scales; 25 h. p. Fairbanks gasoline engine; nice office, including Hall's safe. Property is in good repair. This station is good for 400,000 to 500,000 bus. of grain a year and there is one competitor. Conditions are good and it is the cheapest elevator for sale in central Illinois at the price, but it must be sold at once and \$5,000 will buy it. For further information write C. A. Burks, Decatur, Ill.

**SOUTHWESTERN OHIO.** Elevator for sale in rich grain country. In county seat town with two steam roads and two traction lines. two national banks, seven churches, the best of graded schools, water works, gas and electric light plants. Capacity 20,000 bu. including cribs which are all hopped to drag. eight controllable dumps for corn, wheat and oats. 30 h.p. Chandler & Taylor engine, Marseilles new process corn sheller, capacity 600 bu. per hour, Cornwall corn cleaner, Invincible wheat and oats cleaner, clipper seed cleaner, Ideal car loader. A comparatively new iron roofed and iron sided up to date house with dust and fuel rooms, stant pipe to cupola with hose connection on 3 floors, and one man lift to cupola. No other regular elevator in the place. Reason for selling, have made enough to retire. Address Owner, Box 7, Grain Dealers Journal, Chicago, Ill.



## ELEVATORS FOR SALE.

**\$1,000 WILL BUY** a 25,000 bu. elevator. On account of the death of the late owner, James S. Smith, we will sell his grain and coal business well located on Ill. Central in a live town and rich country. State National Bank of Iowa Falls, Iowa.

**CENTRAL MINNESOTA.** Will sell half interest in my 30 M. bu. capacity elevator and want party to run elevator. Corn crib, feed mill, corn sheller, cleaner and all necessary machinery. Coal, hay and straw business in connection. Doing good business. Address W. F. Box 7, Grain Dealers Journal, Chicago, Ill.

**ELLIOTT, N. D.**—For sale, 40M. capacity elevator. Built three years ago; has handled better than 150,000 bu. per year since started; large feed mill in connection, capacity 100 bus. feed per hour; feed mill separate from elevator; has new 18 h. p. engine for power; elevator has 8 h. p. gasoline engine; feed mill will pay running expenses. Party now owning half interest must quit on account of poor health. Will sell all or half interest in this elevator to right man. Cost \$9,500; have private track, coal sheds and this is a money maker. For terms write H. Sorenson, 2331 East First Street, Duluth, Minn.

## ELEVATOR LOCATIONS.

**INDIANA.** For sale, one of the best elevator locations in western Ind. Foundations for elevator built and brick office with equipment complete. No competition. Address Box B, Chrisman, Ill.

## ELEVATORS WANTED.

**WANTED TO BUY OR LEASE,** elevator in Ohio, Ill., or Ind. Give full information. W. A. Meloy, Metamora, Ind.

**WANTED TO EXCHANGE,** 375 acre, improved farm, adjoining town in Pan Handle of Texas, for grain elevator. Address Acre, Box 9, Grain Dealers Journal, Chicago, Ill.

**WANT TO TRADE** 1,290 acres wild prairie land in Nebraska for elevators on Rys. and in good order. Address Box 237, Edgeley, N. D.

**IF YOU WANT TO BUY** an elevator make it known to the grain elevator men of the country by advertising in the "Elevators Wanted" column of the Grain Dealers Journal, Chicago, Ill.

**FINE BRICK BUILDING** bringing \$100 per month rent and unencumbered; well located in exchange for an elevator in central or northern Illinois. Address James M. Maguire, Campus, Ill.

**WANTED ELEVATOR** that will ship 150 to 200 cars corn and oats per year. Located on Penna. R. R. in Western Ohio or Ind. House must be in good condition and price right. Address Condition, Box 7, Grain Dealers Journal, Chicago, Ill.

**WANTED TO BUY OR RENT** for cash, an elevator in North or South Dakota or western Minn. Must be a good grain station or will build if enough business to warrant an independent buyer. Address Lock Box 77, Groton, Brown Co., S. D.

**WANTED ELEVATOR** in good grain territory, preferably No. Dak., in exchange for a very desirable tract of Minn. summer resort property. Well located. Seventy beach lots and acreage adjoining. Address E. L. M., Box 4, Grain Dealers Journal, Chicago, Ill.

**A RARE OPPORTUNITY.** An ideal country home of 200 acres of choice level, well improved land in Wells County, Ind. Elegant house; good house for tenant and good barn, all in first class condition; must be seen to be appreciated; will consider a trade for one or more good elevators that are well located. Describe your elevator, name your price and state amount of business. Address G., Box 8, Grain Dealers Journal, Chicago, Ill.

## ELEVATOR BROKERS.

**C. A. BURKS,** Decatur, Ill., buys and sells elevators.

**JOHN A. RICE,** Frankfort, Ind. Exclusive elevator broker. Commissions only. Always have the very best offered, all prices, over 600 listed. Reliable and profitable service to both sellers and buyers without exception.

## BUYER OR SELLER.

**R. W. Jeter,** the elevator salesman, can furnish you with either one. If you wish to buy an up to date plant or if you have one to sell, write me and I can prove to you that I handle the best, and it is thru this reputation that I solicit your continued patronage. Write at once. R. W. Jeter, Ashton, Ill.

**ELEVATORS FOR SALE.** 30,000 cribbed, modern and nearly new, in town of 1,200; no competition in grain; fine coal business; handles annually 250,000 bu.

50,000 cap. up to date elevator that handles nearly 300,000 bu. annually with lumber and implement business in connection in small town on C. & A. Ry. No competition and splendid territory.

Two small elevators in same town on different railroads doing good business in grain, coal and feed in town of 300 in central Illinois; no competition; very reasonable.

Many other elevators ranging in price from \$2,500 up to \$20,000. Write for prices and terms. Am sure I can suit you in a plant and location. Address James M. Maguire, Campus, Ill.

## MILLS FOR SALE.

**FOR SALE OR TRADE**—A 75 bbl. modern equipped flour mill; best location in northern Indiana, on three railroads. \$8,000. Harry Linn, Marion, Ind.

**FOR SALE OR TRADE**—Alfalfa mill. Elevator in connection; good plant; good location; good terms. Address Box 329, Kingfisher, Okla.

**FOR SALE AT AUCTION,** a 150 bbl. flour mill. Will be sold at auction June 21st. This will be a snap for some one. For particulars write The Walters Mill & Elevator Co., Walters, Okla.

**SOUTHERN MICHIGAN.** All or controlling interest in a splendid new 100 bbl. winter wheat mill with buckwheat, cornmeal and feed grinding machinery. Two railroads; big elevator capacity; stone building; steam power; but can be operated by electricity at slight expense. Splendid grain and stock raising district. Address Drawer A, Bronson, Mich.

**SOUTHERN OKLAHOMA.** Corn mill and elevator and cotton gin for sale. Two steam engine outfits, private track, good location; mill and elevator new and modern; gin machinery new, balance in good condition. Will sell both outfits together, big bargain; cotton and corn country. Good town to live in, business not overdone; only one other gin; will probably be a solid fall and winters ginning. Write A. R. Arnold, Hastings, Okla.

**FLOUR MILL FOR SALE**—We have for sale the flour mill, plant, milling business and elevator belonging to the estate of the late George Cartwright. The property is situated at Millwood, Manitoba, on the main line of the Canadian Pacific Railway. The capacity of the elevator is 30,000 bus. and of the mill 125 bbls. per 24 hours. First class water power and good water supply. This property is in the midst of a splendid wheat country, with no opposition within 40 miles. This is a rare opportunity to acquire a good milling proposition at a low figure and on easy terms. Particulars and terms on application to The Standard Trusts Company, Portage Avenue East, Winnipeg, Manitoba. Administrators of the estate of the late George Cartwright.

## BUSINESS OPPORTUNITIES.

**IOWA.** For sale, first-class grain, coal and implement business. Cash only. Address C. C. I., Box 11, Grain Dealers Journal, Chicago, Ill.

**WE WILL INVEST MONEY** on the profit sharing plan in Ohio and Indiana elevator. Write us. Address Profit, Box 9, Grain Dealers Journal, Chicago, Ill.

**WANTED, TO BORROW** \$3,000 or \$3,500 on new elevator property worth \$6,000 and doing an excellent business. Address Elevator Property, Box 9, Grain Dealers Journal, Chicago, Ill.

**IF YOU HAVE** a good grain business for sale, that will stand a rigid investigation, showing conditions right and wish it kept private, address 419 Holmes Building, Galesburg, Ill.

**PARTY** with ten years' experience in general grain business desires to purchase a working interest in an established Chicago grain concern. Address Party, Box 9, Grain Dealers Journal, Chicago, Ill.

**WANTED GRAIN OR OFFICE MAN** with \$20,000 to \$30,000 with services, in a live mill and elevator that need capital to build new elevators on two new lines of Ry. that are building this year; want to be ready for this year's crop. Address E. E. L., Box 7, Grain Dealers Journal, Chicago, Ill.

**WANT A PRACTICAL MAN WITH** good references and some experience that would take active interest in business located in southern Minnesota. A rare opportunity. Address Fritz, Box 9, Grain Dealers Journal, Chicago, Ill.

**INDIANA**—For sale, grain, flour, feed and coal business. Good house; good machinery and good trade. Best farming section eastern Ind. If mean business investigate this. Address J. S., Box 9, Grain Dealers Journal, Chicago, Ill.

**A THOROUGH, PRACTICAL GRAIN MAN** can make exceptional connection if will act promptly. Our business has outgrown present help. Capital not so much an item as heart interest. Party with \$3,000 to \$5,000 preferred. Incorporated. Substantial men own company. Up-to-date elevator 80,000 capacity. Heavy country receipts. Do track business. In addition job over hundred cars yearly. Excellent railroad and banking facilities. Location Central Ohio. References exchanged. Address L. T. E., Box 9, Grain Dealers Journal, Chicago, Ill.

## DYNAMOES—MOTORS.

**90 H. P. DIRECT CURRENT MOTOR** for sale. Good as new. Thompson Grain Co., Omaha, Nebr.

**ELECTRIC MOTORS** and generators, new and 2nd hand, bought, sold and repaired. Arthur Jones Co., 221 S. Clinton St., Chicago.

## ELECTRICAL MACHINERY BARGAINS.

One 8 light, 110 volt dynamo.....	\$ 25.00
One 30 light, 110 volt dynamo.....	40.00
One 50 light, 110 volt dynamo.....	60.00
One 80 light, 110 volt dynamo.....	75.00
One 100 light, 110 volt dynamo.....	90.00
One 150 light, 110 volt dynamo.....	125.00
One 275 light, 110 volt dynamo.....	165.00
One 600 light, 110 volt dynamo.....	260.00
One 1 H.P. motor.....	\$ 35.00
One 3 H.P. motor.....	65.00
One 5 H.P. motor.....	85.00
One 10 H.P. motor.....	145.00
One 15 H.P. motor.....	175.00
One 35 H.P. motor.....	275.00
One 50 H.P. motor.....	325.00

For other sizes in motors or dynamos, write us. Lowest prices. Best Quality. Aaron Electric Co., 118 S. Clinton St., Chicago, Ill.

## ELEVATOR SUPPLIES.

**GRAIN TESTERS**—Three sizes, one pint, one quart, and two quarts. Guaranteed correct, sent on trial. Write for prices. A. S. Garman Co., Akron, O.



**SITUATIONS WANTED.**

**MANAGER OF COUNTRY ELEVATOR** wants position; have been 8 yrs. where now employed; references. Address R. O. Y., Box 7, Grain Dealers Journal, Chicago.

**MANAGER OF COUNTRY ELEVATOR** wants position. Experienced and capable; married, and can give references. Address E. L. Reed, Hallsville, Ill.

**POSITION WANTED.** 15 years' experience managing transfer elevator and a line of country elevators. Married; age 37; can furnish references. Address Transfer, Box 8, Grain Dealers Journal, Chicago.

**WANTED—POSITION** as an apprentice in an elevator. Can give good references as to character and ability. Address Apprentice, Box 9, Grain Dealers Journal, Chicago, Ill.

**SITUATION WANTED AS MANAGER** of country elevator. Have full knowledge of bookkeeping, grain, hay and lumber business. Address Box 399, Oak Harbor, Ohio.

**POSITION WANTED** by an elevator superintendent with several yrs. experience; competent of taking full charge; first class reference. Address Competent, Box 7, Grain Dealers Journal, Chicago.

**SITUATION WANTED IN ELEVATOR.** Had two yrs. experience in taking care of gasoline engine and machinery. Ill. preferred; can give references. Address Box 74, Carlos, Ind.

**SITUATION WANTED AS SALESMAN** in New York state by young man. 9 years' experience in flour and feed business; past five years as salesman. Am now employed; best references as to ability and character. Address D. L. Box 9, Grain Dealers Journal, Chicago, Ill.

**POSITION WANTED AS MANAGER** of elevator. Married man, 35 yrs. old; 12 yrs. experience; thoroughly understands the business; can run steam or gasoline. At present employed but desires change June 10th. Address W. E. H., Box 9, Grain Dealers Journal, Chicago, Ill.

**WANTED POSITION** with steady employment in Oklahoma. Have 14 yrs. experience as manager of elevator, understand machinery and gasoline engine repairing; married and can give best of references with bonds. Address O. R. N., Box 8, Grain Dealers Journal, Chicago.

**AN EXPERIENCED MAN** who has been with one firm for 15 years as manager of a large line of country elevators would like to get a similar position or as a traveling solicitor for an up-to-date firm. Can furnish many good references. Address Money-maker, Box 7, Grain Dealers Journal, Chicago.

**POSITION WANTED AS MANAGER** of Farmers or independent elevator by German-American with experience. Good accountant, not afraid of work; references as to ability and character. Would take financial interest in good proposition; only steady position considered. North Dakota or Montana preferred. Address Steady, Box 9, Grain Dealers Journal, Chicago, Ill.

**WANT A JOB** as grain buyer, manager of an elevator, engineer, traveling solicitor or any position connected with the grain business? If so, make your wants known to progressive grain dealers who are in need of experienced help through the "Situations Wanted" column of the Grain Dealers Journal.

**WANTED—POSITION AS BUYER** or manager with some first class grain company where there is a chance for promotion. Have had 10 yrs. experience as buyer and am good judge of all kinds of grain; also have thorough knowledge of bookkeeping. Can furnish best of references as to ability and character; employed at present but wish a change by June 1. Not particular as to location. Address E. H. A., Box 6, Grain Dealers Journal, Chicago, Ill.

**HELP WANTED.**

**WANTED**—Man capable of taking general management line of country elevators in eastern central Illinois. Must have general grain experience and good references. Address at once, Management, Box 9, Grain Dealers Journal, Chicago.

**EXPERIENCED HELP**, such as managers for country stations, foremen, auditors and employees need in the grain business are readily secured thru an ad in the "Help Wanted" column of the Grain Dealers Journal, Chicago.

**WANTED MILLWRIGHT.** A man competent to overhaul an elevator, line up shafting and do all necessary work to adjust machinery usually installed in an up-to-date elevator. Located in western Pennsylvania. Address I. C., Box 8, Grain Dealers Journal, Chicago, Ill.

**WANTED:** Experienced, wide awake agent to manage country grain and lumber station in northern Iowa. Norwegian preferred. State age, if married, salary expected, and give references with application. Address Independent Grain & Lumber Co., Mason City, Iowa.

**MANAGER AND SALESMAN** wanted. Texas Alfalfa Mill wants capable manager and salesman. Prefer party familiar with southern and eastern markets and willing to become financially interested. State age, qualifications, salary and references. H. A. Maurer, Roanoke Bldg., Chicago, Ill.

**WANTED**—An experienced and competent elevator man to operate mill elevator. Work consisting of dumping wagon wheat and elevating to different bins. Applicant must be competent and willing to place each grade of wheat in the proper bin. Steady employment all the year round to a willing worker. One elevator plant is of late construction and easy to handle. Address The Russell Milling Co., Russell, Kan.

**PARTNERS WANTED.**

**YOU CAN SECURE** a partner if you make your wants known to the grain trade thru the Partners Wanted column of the Grain Dealers Journal.

**WANTED—PARTNER** to go half interest on 75 bbl. flour mill and elevator combined. Must have \$4,000 or \$5,000 to invest. Well located in Western Ohio. Must be miller by trade. Address A. K., Box 9, Grain Dealers Journal, Chicago, Ill.

**PARTNER WANTED.** \$5,000 to \$8,000 to take 1/2 interest in best elevator, mill, coal, feed and seed business in Iowa. Want partner to take care of office and books. Address Interest, Box 8, Grain Dealers Journal, Chicago, Ill.

**TRACK BUYING AND BROKERAGE** business for sale. One of the best known firms doing a general track buying and brokerage business, with up-to-date equipment, needs a partner to take care of increasing business. Located in one of the best cities in central Illinois. State experience and amount of capital in first letter. Address Jones, Box 9, Grain Dealers Journal, Chicago, Ill.

**INFORMATION.**

**ADDRESS WANTED** of I. L. Berge, formerly at Velva, N. D. Address E. E. S., Box 9, Grain Dealers Journal, Chicago.

**READERS DESIRING** to learn by whom, or where any grain handling machine or device is made can generally obtain it promptly by addressing Information Bureau, Grain Dealers Journal, Chicago, Ill.

**ADDRESS WANTED** of Fred Faulkner. Was formerly engaged in grain business at Denver as The Nebraska-Colorado Grain & Hay Co., and for a time conducted the track buying business at Cedar Rapids, Ia. A tall Englishman. Address D. M. E., Box 9, Grain Dealers Journal, Chicago, Ill.

**HAY WANTED.**

**HAY & STRAW WANTED**—Correspond with us. W. J. Armstrong Co., Milwaukee, Wis.

**HAY & STRAW WANTED**—Correspond with us. T. D. Randall & Co., 92 Board of Trade, Chicago, Ill.

**PROPOSALS FOR FORAGE AND STRAW:** Chief Quartermaster's Office, Atlanta, Ga., April 1, 1911. Sealed proposals in triplicate will be received until 11:00 a. m., May 1, 1911, for furnishing corn, oats, bran, hay and straw, during the period from July 1, 1911, to September 30, 1911, at Atlanta, Ga., Forts Barrancas, Dade and Key West Barracks, Fla., Fort Caswell, N. C., Fort Moultrie, S. C., Forts McPherson, Oglethorpe, and Screven, Ga., Fort Morgan, Ala., and Jackson Barracks, La. Information will be furnished on application here, or to quartermasters at stations named. R. L. Carmichael, Captain, Coast Artillery Corps, U. S. Army, Acting Chief Quartermaster.

**PROPOSALS FOR WOOD, FORAGE, STRAW,** mineral oil and gasoline: Chief Quartermaster's Office, Atlanta, Ga., April 1, 1911. Sealed proposals in triplicate will be received here until 11:00 a. m., May 1, 1911, for furnishing wood, corn, bran, hay, straw, mineral oil and gasoline, during the fiscal year commencing July 1, 1911, at Atlanta, Ga., Forts Barrancas, Pickens, McRee, Dade and Key West Barracks, Fla., Fort Caswell, N. C., Fort Moultrie, S. C., Forts McPherson, Oglethorpe and Screven, Ga., Fort Morgan, Ala., Jackson Barracks and Forts St. Philip and Jackson, La.; information furnished on application here or to quartermasters at stations named. R. L. Carmichael, Captain, Coast Artillery Corps, U. S. Army, Acting Chief Quartermaster.

**GRAIN WANTED.**

**SALVAGE GRAIN.** We buy grain salvage in any quantity, wet or dry. American Cattle & Poultry Food Co., Binghamton, N. Y.

**NEW WHEAT AND OATS** of every description wanted. Mail samples and name price delivered Philadelphia. Address L. F. Miller & Sons, Phila., Pa.

**WANTED—MAHOGANY CORN.** Can use up to 25,000 bu. Send samples. Name lowest price. C. C. Lewis, Chamber of Commerce, Buffalo, N. Y.

**FLOUR FOR SALE.**

**MIXED CARS** of flour and mill feeds in 100-pound sacks are our specialties. Would like to send you a trial to convince you of the superiority of our products. Ansted & Burk Co., Springfield, O.

**MEAL FOR SALE.**

**OWL BRAND COTTON SEED MEAL** for sale. 41-43 per cent protein guaranteed. Standard for 35 years. Write for our booklet, "Science of Feeding." F. W. Brode & Co., Dept. C, Memphis, Tenn.

**SCALES FOR SALE.**

**SCALES** for elevators and mills, lowest price. Chicago Scale Co., Chicago.

**GOOD 300 BU MONARCH HOPPER** scale with even levers to bring beam below. \$50. F. O. B. Wichita, Kans. C. McNulty, Wichita, Kansas

**SCALES** of all kinds repaired, rebuilt, tested and sealed. Elevator and mill scales our specialty. All work guaranteed. Address Young Bros., 1 Bridge St., Toledo, O.

**BUILDING MATERIAL.**

**2 MILLION FT.** 2x6, 2x8, 2x10 hemlock cribbing; all size timbers, boards and ready roofing. J. G. Ruel, 7337 Stony Island Ave., Chicago.



# SEEDS FOR SALE—WANTED

## SEEDS FOR SALE.

**COW PEAS.** Write us for prices on Whippoorwills in car lots or less. We can save you money. Pittman & Harrison Co., Sherman, Tex.

**SEEDS FOR SALE.** Clover, timothy, millet, Hungarian, red top and other field seeds. Write for prices. Illinois Seed Co., Chicago, Ill.

**FOR SALE GERMAN MILLET** our specialty and we now have a good supply of new crop seed for the market, correspondence solicited. D. H. Clark, Galt, Mo.

**YOU CAN EASILY** find a buyer for your pure seeds and grain by placing an ad in this column. Send to Mgr. Want Ad Dept., Grain Dealers Journal for particulars.

### THE TOLEDO FIELD SEED CO. CLOVER AND TIMOTHY SEED

Consignments solicited. Send us your samples. "Ask for samples of Medium Clover Seed."  
**TOLEDO, OHIO**

### OKLAHOMA GROWN SEED CORN

Specially Selected and Distributed by

**J. E. FARRINGTON SEED HOUSE**  
Chickasha, Oklahoma

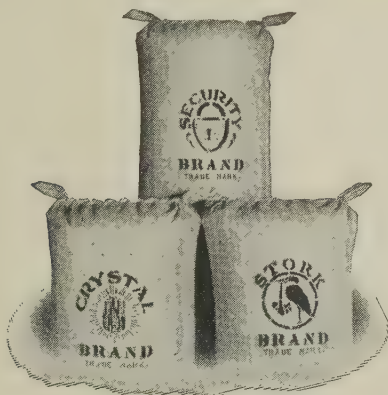
CLOVERS **CLIMAX  
SUPERFINE  
BRAND.** GRASSES

*W.H. Small and Company*

SEEDSMEN  
Also RECEIVERS and SHIPPERS OF GRAIN and HAY  
EVANSVILLE, INDIANA

CLOVERS  GRASSES

### MINNEAPOLIS SEED CO. Minneapolis, Minn.



## SEEDS

Comply with all State Laws

**If Your Business**  
isn't worth advertising  
— advertise it for sale

## SEEDS FOR SALE.

**FOR SALE**—Kentucky grown orchard grass and Kentucky fancy blue grass, fancy and unhulled red top, car lots or less. Louisville Seed Co., Louisville, Ky.

**THE JOHN A. SALZER SEED CO.,** La Crosse, Wis., offer a large line of grains, corn, field peas, millet, potatoes, etc., and can make special inducements on Japanese millet. Write today.

**RED-WHITE-CRIMSON-CLOVER SEED** consignments arrive per S. S. Pennsylvania. Ask our representative, I. L. Radwaner, 171 Broadway, New York, N. Y., for sampled offers. R. Liefmann Sons, Succ. Hamburg, Germany.

### Timothy—Clovers—Millets—Alfalfa

Carlots or less—Write for prices.

SEED **G. S. MANN BROKER**  
512 Postal Telegraph Bldg., CHICAGO, ILL.

## STOCK PEAS

Whippoorwill, Clay,  
Black and Mixed  
Recleaned Stock  
Better than Clover  
for turning under

Tenn. Early Burt Oats  
Mam. Yellow Soy Beans

Ask for samples and prices. Come to headquarters for the best SEEDS of every description

**OTTO SCHWILL & CO.  
SEEDSMEN**

Established 1869 MEMPHIS, TENN.

## SEEDS WANTED.

**TIMOTHY, ALFALFA, CLOVER AND seed corn.** Supply samples and quotations. The M.G. Madson Seed Co., Manitowoc, Wis.

**SEEDS WANTED.** Clover, timothy, millet, Hungarian, red top and other field seeds. Write for prices. Illinois Seed Co., Chicago, Ill.

## AUTOMOBILE SUPPLIES.

**AUTO CASES.** First quality 28x3, \$10.30, tube \$2.40, 30x3, \$11.30, tube \$2.65, 30x3½, \$15.45, tube \$3.25, 32x3½, \$16.70, tube \$3.50, 32x4, \$21.45, tube \$4.60, 34x4, \$24.10, tube \$4.80. Send for price list on all sizes; send 10 per cent with order to cover express and I ship, allow examination before you pay for tires. Wm. Vanderpool, Springfield, Ohio.

## O-A-T-S

Originators of the Famous Gartons Regenerated Swedish Select. Largest Seed Grain Specialists in the World.  
White and Black Oats, Wheat, Barley.  
Three points to all our Grain.  
**PURITY—QUALITY—BREEDING**  
Garton-Cooper Seed Co., 3515 Morgan St., Chicago



### Seed Laws

are not made for

**Government  
Brand Seeds**

**ROSENBERG  
&  
LIEBERMAN**  
MILWAUKEE, WIS.  
Est. 1860

**Have 10,000 Bu. CHICKEN FEED WHEAT on hand**

Wire or Write for Samples and Prices

## HUHN ELEVATOR COMPANY

Chamber of Commerce, MINNEAPOLIS, MINN.

## THE ALBERT DICKINSON CO.

Clovers  
Timothy  
Flaxseed  
Bromus inermis  
Dwarf Essex Rape Seed  
Main Office, CHICAGO, ILL.

## SEEDS

Blue Grass  
Orchard Grass  
Millets, Hungarias  
Redtop, Seed Corn  
Peas, Beans, Baga, etc  
MINNEAPOLIS, MINN.

## J.G. PEPPARD

BUYS AND  
SELLS

MILLET, CANE, KAFFIR, POPCORN, SEED CORN, ALFALFA, TIMOTHY, CLOVER.  
AND ALL KINDS OF **FIELD AND GRASS SEEDS**

1101 to 1117 West 8th, Near Santa Fe St., KANSAS CITY, MO.

## The Genuine GODDARD'S "SILVER KING"

Early White Dent Seed Corn, grown, selected and tested by the originator in this (Winneshiek) county for 20 years. GODDARD'S "SILVER KING" is the earliest, heaviest yielding variety in this latitude. It shells more to the 100 pounds and is of higher feeding value (protein) than any other variety. No other variety will fatten your bank account like GODDARD'S "SILVER KING." Get the genuine, true to type grown by the originator. We are exclusive agents. Our stock is small. Order today. Selected ears \$3.50 per bushel, shelled \$2.50 per bushel, bags free. Crates 50c extra. Write for description.

**THE ADAMS SEED COMPANY, Box 9, Decorah, Ia.**



# Separate the Wheat from the Oats

Under the very best of conditions, oats and barley will get into the wheat, making a mixture that is objectionable. Using all possible care, this is a condition that has to be dealt with and a separation should be made.

It is unwise to ship such mixed grains to market as the presence of either lessens the value of both.

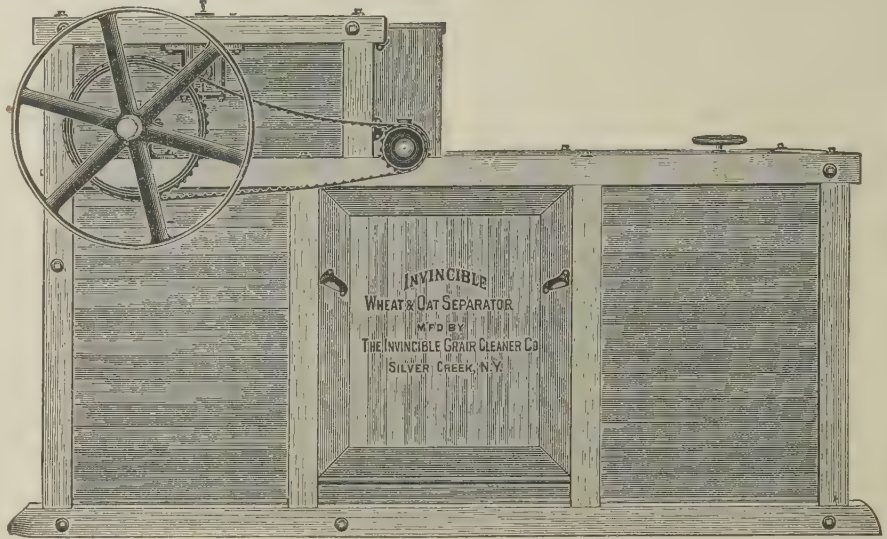
Hence, every elevator should have an

## Invincible Wheat and Oat Separator

This machine has the advantage over the receiving separator as it will not tail over the larger kernels of wheat.

It will also take the tailings from the separators containing the large wheat and separate and save the wheat. This means a saving and a profit that has been slipping by you.

This machine is not expensive and will soon pay for itself by increasing the value of the grain shipped and saving what would otherwise be wasted.



Write for prices and further particulars to

## INVINCIBLE GRAIN CLEANER CO.

SILVER CREEK, N. Y.

Represented by J. H. PANK, 512 Traders Building, Chicago, Ill., Phone Harrison 667.

C. L. HOGLE, 623 Board of Trade, Indianapolis, Ind.

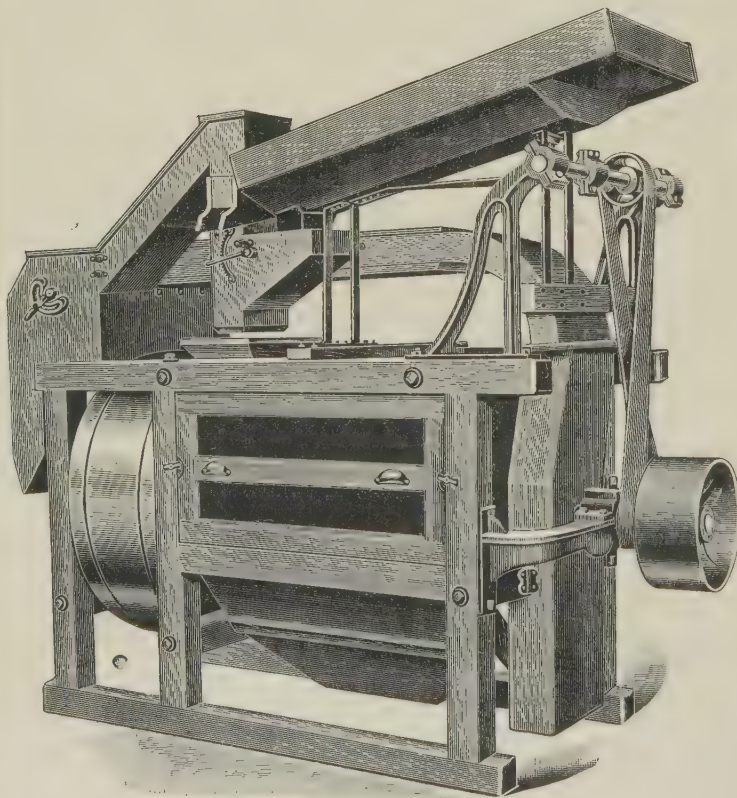
C. WILKINSON, 6027 Chestnut St., Philadelphia, Pa.

F. J. MURPHY, 225 Exchange Bldg., Kansas City, Mo.

N. W. Representatives: STRONG-SCOTT MFG. CO., Minneapolis, Minn.

FRANK E. KINGSBURY, Terminal Hotel, St. Louis, Mo.

CHAS. H. STERLING, Jefferson House, Toledo, Ohio



## Niagara Oat Clipper

Will clip oats in a thorough and rapid manner with little waste.

Equipped with "carry-by-spout" it makes an ideal cleaner, performing practically the same work as a receiving separator. Special chilled cast iron case and steel beaters.

Built in capacities from 30 to 1,500 bushels per hour.

**Richmond Mfg. Co.**  
**LOCKPORT, N. Y.**

ESTABLISHED 1863

J. H. Pank, Northwestern Representative,

916 Flour Exchange Bldg., Minneapolis, Minn.



## GRAIN DEALERS JOURNAL

Published on the

10th and 25th of Each Month

by the

### Grain Dealers Company

315 S. La Salle Street, Chicago, Ill.

CHARLES S. CLARK, Manager

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A Red Wrapper on your Journal means your subscription has expired.

#### THE ADVERTISING

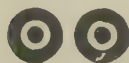
value of The Grain Dealers Journal as a medium for reaching progressive grain dealers and elevator men is unquestioned. The character and number of advertisements in its columns tell of its worth. If you would be classed with the leading firms catering to the grain trade, place your announcements in the Journal.

Advertisements of meritorious grain elevator machinery and supplies and of responsible firms who seek to serve grain dealers are solicited.

#### LETTERS

on subjects of interest to those engaged in the grain trade, news items and crop reports are always welcome.

Entered at the Chicago, Ill., Post Office as Second-Class Matter Aug. 5, 1898.



GOLD MARKS SIGNIFYING QUALITY OF CIRCULATION HAVE BEEN AWARDED THE GRAIN DEALERS JOURNAL BY THE AMERICAN NEWSPAPER DIRECTORY

CHICAGO, ILL., MAY 10, 1911.

CORNER, corner, who has the corner in May wheat?

WATCH for the cars leaking grain in transit and tell our readers what you see. Costs you nothing. Helps other sufferers.

MANY LIVES are sacrificed each year to the protruding set screw, and all unnecessarily. None should be tolerated in an elevator.

HESSIAN flies are infesting many winter wheat fields and the crop killers are already quite pessimistic regarding the harvest. Nevertheless it continues to grow.

DIRTY elevators attract insects and drive away trade, while the clean house, which is kept whitewashed and in good condition, is the pride of the operator, and a good business card.

THE MODERN elevator which is kept up-to-date and clean not only attracts business but it helps to hold trade and makes it easier to retain skilled helpers who understand the business.

WIDE CORN CRIBS prevent ventilation and insure heating of contents. Corn is usually placed in a crib to cure, and all corn which is placed in a narrow well-ventilated crib is cured quickly and thoroughly.

AN ATTRACTIVE sign on elevator not only helps to attract trade, but at stations having more than one elevator it helps farmers to get grain sold into the house of the buyer.

THE ELEVATOR without a reliable shipping scale—one that can be depended upon to weigh accurately all grain loaded into cars—is too far behind the procession to expect to be operated profitably.

DUST EXPLOSIONS have never occurred in an elevator which was well equipped with a modern dust collecting system, but some of the old plants buried in the dust have been blown to pieces and all operators killed.

THE GRAIN dealer who advertises a power plant for sale in this number is enabled to do so because he installed his engine in a fire-proof structure far enough from elevator to prevent its catching fire when the elevator burned.

HELEN PINK is the only tolerable color, according to Dame Fashion, but do not think of putting this on your elevator. The railroads will not permit it, because—well, you can easily understand your elevator would look like Helen pink.

THE PRINCIPAL cost of painting a grain elevator is in the application of the paint, hence none can afford to indulge in the luxury of cheap stuff, which will crack, curl up and peel off the first season. The better the paint, the longer it will last, and the cheaper it will prove in the long run.

HOT JOURNALS, due to lack of oil and proper babbitting, have resulted in several expensive elevator fires during the past year, and we trust they will prove a warning to elevator operators who do not frequently inspect their journal bearings and see to it that all boxes are kept well babbitted and oiled.

WOOD PULLEYS in grain elevator heads increase the fire hazard so much that none of the mutual fire insurance companies making a specialty of this class of business will write a plant so equipped. The number of fires traceable direct to the wood head pulley fully justifies their action, and no elevator man who desires to have his elevator escape a fire can afford to have wood pulleys installed in elevator heads.

S/O Bs/L would seldom be forged if the railroads would print these forms on a distinct color of paper, number them consecutively and give them out only when freight is received. Then station agent at point of origin should send a triplicate tissue copy of the bill to railway agent at destination, and thus make it possible for the receiver upon whom draft is made to learn if shipment called for by B/L has actually been made.

HEAVY FOUNDATIONS, which extend up above the ground far enough to prevent elevator being set on fire by the burning of rubbish about it have an advantage not only by reason of the reduction in the fire hazard, but also through the confidence that the plant will support its load.

THE NON-CHOKING BOOT is the delight of every man who has spent days in a dirty old basement trying to dig a leg out of its congestion. Legs properly installed and fed will seldom choke, and some boots cannot be choked even tho the guardian of its feed has joined the Rip Van Winkle school.

AS THE elevator sites on railroad right of way become smaller, the rentals grow larger, not because the elevator men enjoy granting the railroad company release from nearly everything which is likely to occur, but because the elevator owner hesitates to buy one of those cheap lots across the street and become his own master.

GOOD country roads would result in farmers bringing heavier loads of grain to market when they do haul and would open the market to them every day of the year. Impassable roads frequently force the country grain buyer to suspend business, but his taxes, interest and fixed charges are never suspended, regardless of whether any road is passable.

IN BUILDING a new elevator, remodeling or re-equipping an old one, the cost of maintenance and cost of operation, which will always be with you, must not be overlooked. The first cost, the cost of installation, is paid but once. A few dollars spent at the start may save hundreds later on, and avoid the suspension of business and the loss of trade.

THE ELEVATOR having well made steel tanks for its boots has no fear of wet weather, and unless the rain fall is so heavy as to get in over the tops of the tanks, the plant will not be put out of commission by reason of wet feet. The cost of tanks is too small to justify any chances being taken on business being suspended by water in the boots.

PEORIA is once again fighting to retain control of its grain inspection department and the politicians are making a vigorous fight to place Peoria under control of the chief grain inspector of Illinois. Not because the patrons of the Peoria Inspection Department are dissatisfied or have been complaining, but simply because the politicians want the places. They do not care a rap for the shippers to or the buyers in the Peoria market. So long as the parties directly interested in the inspection are entirely satisfied, it would seem proper to leave it in charge of the Peoria Board of Trade.



FOR real light on the folly of charging more for inspecting grain than it is worth, and more than anybody else thinks of charging, address the Chief Grain Inspector of Kansas, who was formerly located at Kansas City, but has probably returned to his country home now, for lack of anything else to do.

IMPROVERS who delay ordering machinery until the last minute frequently delay installing it, because the machinery manufacturers cannot always make shipment same day order is received. It takes time to fill orders received in advance of yours, and also to prepare the machinery you want. Take time by the forelock, and order your machinery early.

DURING the last year, several lives have been sacrificed to the barn builder's skill, so that most grain dealers who now want a new elevator which will stand up, insist upon placing their contracts with builders who make a specialty of this class of structures. The saving in material, power and cost of labor generally exceeds the cost of the expert builder several times over.

A MAN with a wagon and a broken box drove into an elevator at Watertown, S. D., recently, pulled the slide and filled the box, but the box leaked so much grain that the thief was easily tracked and captured. In building your new elevator do not put the spout from bins on outside, in a way to facilitate stealing in this manner, as it serves to encourage weak brothers to tap your bins.

INCENDIARIES have given the elevator men of Scranton and Bowman, N. D., considerable uneasiness of late. A number of fires have been started and two plants burned. The only reason for the action seems to have been the desire to steal from local stores, while the attention of citizens was being devoted to the fire. Thieves so desperate as this deserve special punishment.

THE FRICTION of a large fire insurance policy on a small elevator is sure to cause dissatisfaction with the plant, and thotlessness in its care. Every elevator owner should carry a portion of its risk, and exercise caution to prevent its burning. While some plants could no doubt be profitably burned if the insurance was paid in full, this is seldom probable, because the adjusters object to paying more than 80 or 90 per cent of the value of the plant on day of fire. Original cost, good will and business has no bearing on the building value. The loss of trade due to the suspension of business is not covered by the insurance policy, and must be borne by the elevator operator. If your plant is not to your liking, tear it down and use the material in the construction of an up-to-date plant.

SHINGLE ROOFS are no longer being used, because the mutual fire insurance companies making a specialty of insuring grain elevators and contents will levy an extra charge for this hazard, beginning July 1st. No elevator owner, who has the interest of his business at heart, will permit this old-time spark arrester to continue on the roof of his plant, regardless of whether or not it increases his cost of insurance.

WANDERLUST has so afflicted many grain dealers they are unable to remain contentedly at one station, even through a single crop year. Many of them recognize the folly of making frequent changes, but are tempted by a small premium over what the house cost them, to relinquish their title and move on to—well, any place offered at a reasonable price, in our "Elevator For Sale" columns. Some dealers do not stay at a station long enough to make sure as to its value, or gain the confidence of the farmers.

OAT CLIPPERS are being used more extensively in country elevators, as the country elevator-operator becomes better posted as to their use. He learns that it is not necessary to suffer a heavy shrinkage every time the oats are run through the clipper. Skillful operators are able to increase the test weight of their oats materially without shrinking them any appreciable amount. A first-class clipper in the hands of a competent operator can be made to pay for itself several times over in a good season, and a good machine, if taken care of, will last many seasons.

SHIPPERS are supposed to see to it that only grain or hay of one quality are placed in each car, otherwise they may be open to the charge of plugging and the profit on the entire shipment wiped out and the loss of the portion of the car rejected. Some markets have rules which permit buyers to reject any portion of a car found not up to sample, if same is discovered before the poor grain is unloaded. This is sure to work a handicap to country shippers who have few bins or small quantities of the same grade of grain to ship. The ultimate result will be that the number of elevators at many stations will be reduced, but the successful houses will have more bins and better facilities for cleaning, mixing and unifying the quality of grain of the same kind. The time is coming when shippers who are not well equipped with up-to-date facilities must keep their poor grain separate by means of a bulk head or bags. The eagle eyes of buyers are discriminating more and more against grain of the low grades and as the margin of profit is further reduced buyers of grain will involuntarily become more exacting in the matter of weights and grades.

THE SHELLER is becoming one of the absolute necessities in every elevator of the corn belt. For many years the farmers installed cheap shellers of various makes, in an effort to shell their corn at home, and keep their cobs on the farm, but many of these poor contrivances proved to be more of a feed mill than a corn sheller, with the natural result that much of this corn was crushed, the cobs broken, and the farmer robbed of the pleasure of getting the top of the market for bright clean corn. The elevator man has generally ample power at hand, and with an up-to-date sheller, can secure better results and at less expense than the farmer could ever hope to do.

AN IOWA grain shipper has recently pled guilty to the charge of adulterating oats, and paid his fine. In reality he was guilty of nothing more than shipping barley mixed oats, a practice common to the trade so many years that everyone engaged in the business knows what to expect when buying oats in a central market, or from the operator of a large cleaning and clipping elevator. The action of the government is in reality technical. The oats shippers can sell their barley mixed oats as "Barley Mixed Oats" just as readily as they can sell No. 2 Oats, because it is just as good feed, and oftentimes better. It is not a question of honesty or cheating. It is simply the desire of the Agricultural Department to insist upon feedstuffs being branded just what they are. Shippers will avoid all trouble in this matter by selling oats in which they intend to mix barley as "Barley Mixed Oats."

A HAIR-SPLITTING judge of Ft. Worth, Tex., who evidently had a deep-seated prejudice which he was unable to overcome, recently decided that a grain buyer who issued false weight certificates and altered other weight certificates to his own profit was not guilty of stealing, and instructed the jury to bring in a verdict of not guilty. The court held the statute defining theft to charge the state with the responsibility of showing defendant had the *intention* of committing the crime at the time property came into his possession. It was easy to prove that false certificates were issued and other certificates altered, with the result that the buyer received grain from shipper for which he did not pay, and which was the property of the shipper. Was this stealing? The judge with the warped logic says "*no*," but everyone in the grain trade will hold that the Walker Grain Co. took grain which was the property of shippers and did not pay for it. In other words, the shipper lost the grain, but who stole it? For the lawful way to get grain without paying for it or "stealing" it, consult Judge Swayne.



IT IS not always possible to keep elevator legs plumb and straight, but the successful elevator builders have learned how to construct the legs so that there is little danger of the head pulley being pushed through the cupola roof by the settling of the elevator, or the legs being so bowed that they touch. The barn builder does not recognize any of the well known defects in grain elevator construction, because his experience has not been sufficient to familiarize him with any of the requirements of the modern grain storehouse.

ILLINOIS POLITICIANS are seeking to replace the governor by taking from him the appointment of the Railroad and Warehouse Commission and making that body elective. Missouri has tried the elective plan and found it entirely dissatisfactory, because the commission is a law unto itself and responsible to nobody. Being in control of the commission a little clique of politicians ignored everybody and the rights of the people. It is much better to have the commission appointed, then, if it becomes as rotten as in Missouri, a change can be quickly obtained. The Missouri commission, it will be remembered, was the originator years ago of the lazy man's plan for grading grain by telephone.

## THE VALUE OF EXAMPLE.

Whether you contemplate overhauling and improving your old elevator, or building a new one, it would pay you to watch the improvements being made by progressive dealers everywhere, because their judgment as to what is needed to equip an up-to-date elevator, as exhibited by their own purchases, is worthy your consideration. The chances are that before purchasing, they investigated the merits of the machines they are installing, and satisfied themselves as to their worth.

Complaints from men who have bot machines which other elevators were throwing out is ample evidence that it pays to watch the advertising columns of the Journal, as well as the news columns, wherein is told of improvements made and contemplated by others. The latest and best machinery is none too good for the grain dealer who is anxious to handle his grain as economically and as profitably as possible.

Manufacturers who have confidence in their machinery do not hesitate to spend their money advertising that fact to the grain elevator men, while the manufacturer who has out-of-date machinery is satisfied to depend upon circulars to get his goods before the waste basket ferrets of the trade. He is shrewd enough to understand that it would be next to impossible to sell worthless machines to grain dealers who are reading their Journal and keeping posted as to what is being installed by other dealers everywhere.

## GETTING A GOOD ELEVATOR.

The grain dealer who is his own grain elevator architect seldom gets a plant to his liking or one suited to his needs. Building grain elevators is today more of a business by itself than ever. It presents more complicating problems and greater need for an experienced engineer than at any time in the past. Competition is forcing the up-to-date designers to adopt every practical economy known to the building trade which can be used without affecting the cost of operation or maintenance of the plant.

No grain dealer who wants a rapid handling plant can afford to permit the installation of scale hoppers with small openings, and the cupola can be greatly reduced in height through the use of specially designed distributing spouts, garners with many openings placed close to the top of scale hopper, and scale hoppers with large enough openings to permit their rapid emptying. If the scale hopper is slow to deliver its load, then the entire house is a slow handling house, because the receiving sink, the leg and the garner cannot be operated any faster than the scale hopper can care for the grain.

In the past many elevators which had an otherwise up-to-date shipment were badly crippled and their handling capacity greatly reduced by one weak device upon which other working parts were entirely dependent. The only way to avoid the expensive, discouraging handicap of an imperfect elevator is to employ the services of a first class elevator architect to design a plant to suit your needs. Then if bids from other builders are desired on the new elevator, insist that they figure on the house designed. It will prove the cheapest and most satisfactory in the long run, and the grain dealer will generally have a house of which he will be proud.

No grain dealer who is the possessor of a grain mixing elevator is proud to admit it. Leaky bins, spouts and leg casings, defective sinks and distributors, all contribute their share to the aggravation of the elevator operator, who will persist in denying that he is to blame for any mixing, notwithstanding inspectors at destination are occasionally unable to tell what kind of grain shipper had intended to load into the car. Many of the old time plants can be guaranteed to mix automatically any grain run through them, and, sad to relate, some of the houses constructed in recent years, but this is due primarily to the parsimony of the man who let the contract. Today there is no excuse whatever for introducing these old time handicaps in the modern elevator.

LEDGES and projections of all kinds in spouting, garners, leg casings or sinks will hold back grain and help insure the mixing of different kinds of grain. See to it that no shoulders are permitted in your new plant.

## LEAKING GRAIN IN TRANSIT.

Grain dealers in all parts of the country can help their brother sufferers in the collection of just claims for loss of grain in transit by reporting to the Grain Dealers Journal, Chicago, for free publication, the initials, number and condition of cars which they see leaking grain in transit, or passing with broken seals or open doors. It is not expected that grain shippers will spend their time along railroad tracks watching for leaking cars, but whenever they do see a car passing in bad condition, they can with little cost help a brother shipper and encourage railroad companies to provide better cars and protection for shipments in transit.

If any of the cars reported happen to be yours, a word to us of appreciation of the service performed will, no doubt, encourage other dealers to keep a more vigilant lookout for cars in a bad condition.

Recently we have received reports on the following cars:

C. R. I. & P. 36573 passed thru Concordia, Mo., May 8, going east and leaking wheat badly at side of car.—J. S. Klingenberg & Son.

N. Y. C. & H. R. 69717 passed thru Rushsylvania, O., May 6, going east, leaking oats badly at end of car.—W. F. Sackett, White Oak Mfg. Co.

I. C. 18054, loaded with white corn, was sidetracked at Pana, Ill., May 5; drawbar pulled out and leaking badly; was repaired here.—G. F. Barrett.

I. C. 47009 was leaking corn at end door in yards at Cherokee, Ia., Apr. 28.—J. J. Mathews.

Indianapolis Southern car passed thru Risk, Ill., Apr. 27, going south; marked on tag 4/27-11 Memphis; was leaking oats badly, one door post broken.—O. H. S., Stotler Bros., Strawn, Ill.

C. & A. 16490, loaded with corn for Peoria, was leaking badly at drawbar, Apr. 26, at Lowpoint, Cazenovia and Metamora, Ill.

C. B. & Q. 33759 passed thru Brimfield, Ill., Apr. 26, going south and leaking yellow corn at end of car.—R. B. Catton.

## COMING CONVENTIONS.

Among the numerous conventions of grain dealers and millers booked for the summer months are the following:

May 23-24; Oklahoma Grain Dealers Ass'n. will hold its annual meeting at Oklahoma City.

May 25-26; The Texas Grain Dealers Ass'n. will hold its annual meeting at Dallas, Tex.

June 5-10; The Fraternity of Operative Millers will hold its annual convention and milling exhibition at Detroit, Mich.

June 6-7; Wichita Grain Dealers will give an "at home" entertainment to the grain dealers of the Southwest.

June 13-14; Illinois Grain Dealers Ass'n. will hold its annual meeting in Bloomington, Ill.

June 15-16; Indiana Grain Dealers Ass'n. will hold its annual meeting in Indianapolis Board of Trade.

June 14-15-16; Millers' National Federation will hold annual meeting at Niagara Falls, N. Y.

June 21-22; Ohio Grain Dealers Ass'n. will hold its annual meeting at Cedar Point.

June 23-24; The Colorado Grain Dealers Ass'n. will hold its annual meeting in Denver.

June 28-29; The Council of North American Grain Exchanges will hold its semi-annual meeting in Milwaukee, Wis.

July 26-27; National Hay Ass'n. will hold its annual meeting at Niagara Falls, N. Y.

Oct. 9-10-11; The Grain Dealers National Ass'n. will hold its annual meeting in Omaha, Neb.



## Asked— Answered

[Readers who fail to find information desired on any subject of interest to grain dealers should send us their query for free publication here. The experience of your brother dealers is worth consulting. Replies to queries are solicited.]

### WHAT IS PAID FOR MARKETS?

*Grain Dealers Journal:* What is the price generally paid by grain men to the telephone company for connection to get grain markets, when the company is paid \$2 extra per month for keeping up wire and rent of phone?—B. F. G. Co.

### ADDRESSES OF ELEVATOR ENGINEERS WANTED.

*Grain Dealers Journal:* Will you kindly furnish me with a list of engineers who are familiar with the designing and construction of grain elevators? Any information you can give me in regard to the grain elevator situation in U. S. and Canada, will be greatly appreciated.—Geo. H. Rowe, Buffalo, N. Y.

### BULK OF EAR CORN?

*Grain Dealers Journal:* What weight of ear corn and shelled corn is contained in one cubic foot of space?—L. I. Yeomans, of Western Wagon Co.

*Ans.*—A cubic foot contains about four-ninths of a bushel of ear corn or 31 lbs.; and 0.8 bu. shelled corn, or 44 lbs. Thus a wagon bed 10 ft. 6 ins. long, 24 ins. deep and 3 ft. wide will hold 28 bus. of ear corn or 50.6 bus. shelled corn.

### CAN SHIPMENT BE ATTACHED?

*Grain Dealers Journal:* Would you kindly let us know if a car billed to shipper's order, the bill of lading being attached to draft, the draft being deposited in the bank as cash, can be attached for a real or imaginary claim of some one at destination? It seems to us that we noticed in one of your recent issues a case decided against the person attaching the car but we are not sure.—I. Y. C.

### BEST METHOD OF MILL FUMIGATION.

*Grain Dealers Journal:* We contemplate doing some mill fumigation and are undecided what is the best method. Any suggestions will be appreciated.—Guthrie Mill & Elevator Co., Guthrie, Okla.

*Ans.*—Altho bisulfid of carbon is best for grain bins the hydrocyanic gas method is commonly adopted for mills on account of the large open rooms and space in machines and spouts as well as the absence of danger from fire when using the hydrocyanic acid gas.

On each floor and in each room of the mill are placed small crocks containing a dilute acid, and when the building has been tightly closed and all persons have been excluded the last man hurries from one crock to another dropping a small piece of cyanide of potash into the acid and quickly makes his escape from the death-dealing atmosphere. The building is left thus over night or Sunday and

not entered until after a thoro airing, when all insects and rodents will be found dead.

### HOW COMMAND A BETTER ATTENDANCE AT MEETINGS?

*Grain Dealers Journal:* How can the Western Grain Dealers Ass'n command a better attendance at its annual meetings?

I have attended a number of years and the attendance seems to be smaller each year. I would like this question put to the readers of the Grain Dealers Journal. I am sure it will do somebody some good.—O. K. Morrison, mgr. Home Lumber Co., South English, Ia.

### SHUD 10-LB. SHORTAGES BE BUNCHED AND COLLECTED?

*Grain Dealers Journal:* We understand that large shippers of grain keep a record of each small loss in transit, bunch the season's shortages and collect for all of them in one claim.

If this be true why can't the shippers' local ass'ns collect the essential data regarding the small shortages suffered by members and present a list of the lot as one claim.

If the amounts are ever due the one shipper of many cars, surely they are also due the many members who in the course of a year ship many cars. Any light on this point will be greatly appreciated by a Shortage Sufferer.

### IS CUSTOM STRONGER THAN RULE?

*Grain Dealers Journal:* The grain commission merchants of one market are making an arbitrary charge for interest on money advanced to shippers, which does not seem right nor reasonable. It is said to be the practice of the commission merchants of Philadelphia to charge interest on all advances from day draft if paid to date of sale, plus ten days. The rules of the Commercial Exchange state that the terms of all sales on the exchange floor shall be for cash. In the light of such a rule how can any commission merchant charge interest after weight of grain is determined? Any explanation or defense of the practice will be most welcome.—F. R. C.

### OPENING CAR WITHOUT SURRENDER OF B/L.

*Grain Dealers Journal:* In reply to the results of suits filed by grain dealers against railroads on account of shipments of grain billed on uniform B/L, order notify, having been opened at destination without authority from shipper or surrender of the B/L? What are the court decisions?—Shipper.

*Ans.*—The courts have uniformly decided that the carrier is liable to the shipper in damages for the delivery to the notify party of a car billed "shipper's order," without production of B/L. Where a certain shipper in dealing with a certain consignee had been in the habit of permitting delivery of cars to the buyer without surrender of B/L, long enough to establish a custom, the carrier is not liable. The provisions of the uniform B/L are considered so strict by the carriers that at many points they will not permit inspection of the contents of a car by the official inspectors without indorsement on the way bill and B/L of the words "Inspection permitted." Following is a decision selected from many similar cases published in Supreme Court

Decisions column of the Grain Dealers Journal:

**B/L and Delivery.**—A carrier of freight consigned to the shipper under a B/L stipulating for notice of the arrival to a third person, and providing that the surrender of the B/L properly indorsed shall be required before the delivery of the freight, cannot deliver until the presentation of the B/L, as the condition imposed therein can not be waived.—*Lyons v. New York Cent. & H. R. R. Co.* Supreme Court of New York. 119 N. Y. S. 703.

### INTEREST IS CHARGED UNTIL GRAIN IS SOLD.

*Grain Dealers Journal:* When drafts against consignments are made payable on demand, the amount advanced is sub-time of payment until such time as goods arrive, and are finally disposed of. This applies to grain consigned to this market not to be sold on arrival, but held in storage for shipper's account.—Respectfully yours, O. C. Alexander, Supt. Grain & Flour Exchange, Pittsburg, Pa.

### TO RECOVER FOR GRAIN DOORS

*Grain Dealers Journal:* In reply to J. R. Stafford, asking how to recover for grain doors furnished for shipments over the G. R. & I. and the L. E. & W. Railways, I would say that the Lake Erie & Western has specifically provided for the payment to shippers of expense in providing doors for shipments of grain. Freight tariff I. C. C. No. 1888, issued Aug. 17, 1909, is still in effect and provides as follows:

An allowance of 50c per door, but not more than \$2 per car will be made to shippers furnishing grain doors. A certificate specifying the number of doors furnished must be furnished to agents at loading stations, and a notation made on each way bill showing number of doors supplied. Grain door expense not deducted on face of way bills will be settled thru claim account and monthly statement of billing covering grain shipments on which doors are furnished must be furnished claim agent, Indianapolis, Ind., on form 68.—R. M.

### MUST PURCHASE BE ACCEPTED IF UNLOADED?

*Grain Dealers Journal:* I shipped three cars of hay to a St. Louis commission merchant who sold them to local feed dealers. Two went thru all right, but the third has not yet been paid for, because buyer claims car contained much hay of a quality below that at door by which he bot it. I inspected all the hay carefully as it was placed in car and feel certain it was all of the same quality as in the other cars. Nevertheless the hay was all unloaded upon arrival at his switch, hence I feel he is duty bound to accept it at contract price. I would be pleased to know the custom or rule bearing on this case.—R. G. R.

*Ans.*—The loader is held responsible for plugged cars of hay or grain whenever it is discovered. Buyer cannot be expected to accept a plugged car. The rules governing the sale of hay in the St. Louis market provide:

Buyer of a car of hay after sale is consummated, and order given, must take all the hay in the car, except such hay as should be unmerchantable. If any hay in the car is of different grade from that shown in car door at time of purchase, buyer is to take, and pay for hay equal to that shown in car door at purchase price. Any hay in car not equal to that shown in car door, buyer is to take and pay for at market value according to quality on day of original sale, provided such hay is not unmerchantable; such price to be settled be-



tween buyer and seller. If such settlement between buyer and seller is impossible then at such price as arbitrators may settle upon. Said arbitrators to decide whether hay is merchantable or not. The buyer shall pay all car service charged by the railroad that may accrue after 48 consecutive hours from 7 a. m. the day of purchase.

## WHO IS THE LEGITIMATE SPECULATOR?

*Grain Dealers Journal:* If a speculator bot heavily of May wheat last year at \$1.10 per bushel; held it during the long decline below 85 cents, and is still holding it for \$1.00 per bu., is he guilty of running a corner? Has a speculator a right to hold May contracts to the end of the option in the hope that the shorts will cover at the price he paid? Is there any obligation upon the shorts to deliver the grain they sold at \$1.10 per bu.? As the shorts who sold at \$1.10 had ample opportunity to buy in below 90 cents, should any sympathy be wasted upon them now that their 20 cents profit is vanishing and the loss of the bull speculator diminishing? Since the courts have always held it is the intent to accept delivery of the actual grain on a future contract that makes such trading legitimate, is not the bull speculator who holds his contracts for delivery day demonstrating his legitimate purpose? Are the shorts who intended to buy in their contracts without delivery and who now cry "corner" real gamblers?—Investor.

## IS WAREHOUSEMAN COMPELLED TO INSURE GRAIN?

*Grain Dealers Journal:* Please give me some information regarding stored grain and the dealer's responsibility toward his customer in case of fire loss.

It is and has been customary here to store grain, except winter shelled corn, 60 days free, charging ½ cent per bushel per month thereafter until sold; but we have recently been informed that there is a state law compelling the dealer to insure this grain at his own expense. If this be true the dealer is in the position of giving the storage, standing the shrinkage and losing the insurance, in cases where the customer sells the grain at the expiration of the 60 days. This would be ruinous to many of the small dealers. —R. P. Macauley, Atkinson, Ill.

*Ans.:* Sec. 16 of the Illinois statute regulating warehouses provides "No public warehouseman shall be held responsible for any loss or damage to property by fire while in his custody, provided reasonable care and vigilance be exercised to protect the same, nor shall he be held liable for damage to grain by heating."

The country grain dealer who permits the farmer to use his bins or cribs without charge owes scarcely any duty to the recipient of the favor. In the eyes of the law he is a "bailee without hire" and can not be required to insure the grain. Even after the 60 days' free time has expired and the dealer becomes a "bailee with hire," there is no obligation on his part, in the absence of special agreement, to insure the property, and certainly not at his own expense.

Of course, as soon as the owner of the stored grain sells it to the dealer the latter becomes responsible; so that when grain is delivered to an elevator the question of whether the transaction is a sale or bailment arises, depending on the oral or written contract.

## Letters From Dealers

[Here is the grain dealer's forum for the discussion of grain trade problems, practices and needed reforms. When you have anything to say of interest to members of the grain trade, send it to the Journal for publication. It may draw out the views of others.]

### INIQUITY OF THE CALL RULE.

*Grain Dealers Journal:* Country shippers and farmers do not seem to understand the working of the call rule enforced by the leading grain exchanges at the behest of the commission merchants.

Go on the floor of any of the exchanges at the hour set for the call, 1:30, and you will find a very small group of commission merchants making bids and offers to set the call price. The actual transactions are almost nothing.

Why is it that no one, practically, will buy on the call? And why is it that the call prices are usually lower than the track bidders would be willing to bid? The answer is that under the terms of the call the buyer never knows on what road the carload sold him will originate. He may be wanting corn from a certain locality where the crop is good, but if he buys on the call a carload from a district having a poor crop can be delivered to him.

Also the bidder in the terminal market has his elevator on a certain line of railroad and would be willing to give a fraction of a cent per bushel more for shipments from country stations on the same line of road, but if he buys on the call he will get what he does not want. If he has personal friends among the dealers on that line of road who understand their business, clean their grain and pick out bad ears of corn so it will grade better than No. 3 he is unable to bid them as much as we would like to, just because the call rule forbids sending out bids that day any higher than the price established on the call.

It is true that after the opening at 9:30 a. m. the country shipper could phone or wire half a dozen markets and a score of bidders to get their best offer, as the call rule does not forbid higher bids during change hours, but the expense of wiring is much greater than the over night mail; and bids over night give the country shipper a better line on the premiums offered by the different markets over the closing prices of futures.

The call rule has the effect of placing all shippers tributary to a certain market on a certain level of price regardless of their skill or the care taken by farmers, as the bidders, not knowing the origin of the shipment, can not offer more than the lowest quality would be worth.

If the Board of Trade can restrain competition from 1:15 p. m. till 9:30 a. m., why could it not restrain competition to still narrower hours. Having eliminated competition for 20 hours of the 24 why not cut down the track bidder's time from 4 hours to 1 hour, or why not forbid track bids entirely?

They tell us the call helps to maintain

a free open competitive market by giving the consignments to commission merchants and compelling buyers to purchase on the floor of the Board of Trade in the sample market. They ignore the fact that before the grain comes on the sample tables the shipper must have some inducement to consign to that market, and the best way to induce shipments to a market is to bid the country a fair price for the grain.—Fair Play.

### WAYS THAT WIN FOR THE COUNTRY BUYER.

*Grain Dealers Journal:* Stay at your office. Be honest with your employer, yourself and the people.

Don't think you can get all the grain by drinking a barrel of whisky every 30 days. You may make the breweries work overtime, but you will only require the undertaker's service sooner.

Attend strictly to your own business.

Don't chew an ear off your competitor simply because he gets more grain than you do.

Be at your office during business hours, meet your friends and enemies with a smile, and you will win.—Yours truly, Percy Reed, Mgr. Omaha E. Co., Silver Creek, Neb.

### COUNTRY SHIPPERS SHOULD BUY BY GRADE.

*Grain Dealers Journal:* Buy on grade. Buy swill or manure if you will—that is your affair; but buy on grade. Buy it at its relative market value. Do not attempt to make the profit on one load of sound grain carry the loss on a load of unsound grain. Buy every load at a reasonable profit and you can bank on one thing—at the end of the year, when the balance is struck, you will find a reasonable profit on the whole.

The elevator operator who holds to the theory that grain cannot be bot on grade is a "has been." His days are numbered. To pay the same price for good and bad, places a penalty upon superiority and a premium upon inferiority. The farmer has that man "spotted."

You have eyes and hands. If these are out of working order—buy a machine. Nine times out of ten, if you honestly want to, you will correctly distinguish No. 3, No. 4, C. & S. and N. E. G. corn. So will the other fellow. Will he? That is not the question. Mind your own business.

It is true that the nature of the business is such that it is absolutely essential that prices be uniform, or approximately so, between competing parties and between competing points—but remember this: Fifty-five cents for No. 3 corn at one point and fifty-five cents for No. 4 corn at another point is not "uniformity."

Like prices for like grades should prevail throughout every territory and it should be recognized that there is no conflict between a point receiving No. 3 corn at 55 cents and a point receiving No. 4 corn at 50 cents. Like prices for like grades is all the explanation or argument necessary. I would recommend the following table of discounts below:

If dealers would always buy right they would not be so deeply distressed by discounts at destination.—Yours very truly, T. P. Riddle, Lima, O.

### TABLE OF CORN DISCOUNTS PER HUNDRED POUNDS BASED ON NO. 3 GRADE.

Grade.	Discount Per Cwt. Off No. 3.	Buying Price.		Selling Price.	
		Cwt.	Bu.	Cwt.	Bu.
No. 3.....	Revaluing Value.	57	40	66	46
No. 4.....	5 cts. per 100 lbs.	52	36½	63	44
C. & S.....	10 cts. per 100 lbs.	47	33	60	42
N. E. G.....	15 cts. per 100 lbs.	40	28	50	35



## Crop Reports

Reports on the acreage, condition and yield of grain and field seeds, as well as on the movement to country markets, are always welcome.

### CANADA.

Benito, Man., Apr. 20.—Seeding is now general in this district, with ground in splendid condition. About 30% of the 1910 crop is still in farmers' hands. Last year wheat averaged 35 bus. and oats 75 bus. per acre in this district.—F. R. Lynch, agt. Sask. Eltr. Co.

Regina, Sask.—The final report of grain crops in Saskatchewan in 1910 shows a total yield of 72,666,399 bus. of wheat on 4,664,834 acres, 63,315,295 bus. of oats on 2,082,607 acres and 5,859,018 bus. of barley on 238,394 acres; compared with 90,215,000 bus. of wheat on 4,085,000 acres, 105,465,000 bus. of oats on 2,240,000 acres and 7,833,000 bus. of barley on 244,000 acres in the previous year, as reported by Thomas Cromie, chief of the bureau of information and statistics.

Edmonton, Alta.—The final report of grain crops in the province of Alberta in 1910 shows a yield of 5,697,956 bus. of spring and 2,206,564 bus. of winter wheat, 12,158,530 bus. of oats, 1,889,509 bus. of barley, 28,306 bus. of rye and 164 bus. of speltz; compared with 6,155,455 bus. of spring and 2,312,344 bus. of winter wheat, 24,819,661 bus. of oats, 3,310,332 bus. of barley, 25,801 bus. of rye and 6,369 bus. of speltz in the previous year, as reported by George Harcourt, deputy minister of Agriculture.

### COLORADO.

Del Norte, Colo., May 3.—Wheat and all small grains have been marketed and eltrs. practically cleaned up, only a small quantity of wheat and oats remain. Acreage on wheat, oats and peas will be about normal; farmers not quite thru sowing.—The A. J. Weiss Merc. Co.

### IDAHO.

Ucon, Ida., May 4.—Crop conditions now favorable after a dry winter. Growing wheat looks good. Spring seeding almost finished on irrigated lands in the valley. Estimate about 50% of the wheat in farmers' hands, compared with what they held at this time last year.—Gem State Roller Mill & Eltr. Co.

### ILLINOIS.

Carlyle, Ill., May 2.—Wheat acreage is normal and condition 110.—Carlyle M. & Grain Co.

Matteson, Ill., Apr. 27.—Crops are looking fine. Fully 75% of corn in farmers' hands.—H. F. Brueggeman.

Strawn, Ill., Apr. 27.—Oats look fine. Farmers are thru plowing and will plant corn as soon as weather warms up.—Stotler Bros.

McClure, Ill., May 3.—Little grain moving here, about all gone. Winter wheat looks good but is very thin on ground as a whole.—A. T. Sams, Carbondale M. & Eltr. Co.

Arenzville, Ill., May 2.—Soil in elegant shape for spring work and wheat prospect can not be improved upon. About 10% of wheat in farmers' hands and 20% of corn.—McElroy & Treadway.

Rockford, Ill., May 3.—About 40% of the corn, 50% oats, 5% rye and 15% of the barley still in farmers' hands. Prospects for all winter crops are very favorable.—A. L. Bartlett, mgr. A. L. Bartlett Co.

Freeport, Ill., May 3.—Ground is in good condition for corn planting, acreage will be the same as usual, 30% of the corn and 20% of the oats in farmers' hands.—B. P. Hill, pres.-treas. The B. P. Hill Grain Co.

Freeport, Ill., May 3.—Oats all seeded. Corn planting will probably begin next week; 25% of the corn and oats in farmers' hands. Last year's oats crop was one of the best we have had.—H. A. Hillmer Co.

Rockford, Ill., May 3.—Considerable more wheat this year than usual and in good condition. Prospects for rye are excellent, small decrease in acreage in comparison with last year.—W. H. Worthington, vice pres. and sec'y J. G. Chick Mlg. Co.

Arnold, Ill., May 3.—Condition of wheat and oats now fine on about same acreage as last year. No wheat or oats in farmers' hands in this locality; we estimate they hold about 10% of the corn.—Arnold Cain & Co., mgrs. Arnold Farmers Eltr. Co.

Kemp, Ill., May 8.—Farmers are two weeks behind in their work this date last year. Soil unusually heavy and hard to get in condition for planting. Wheat and oats look well; 40% of last year's corn and 30% of oats in farmers' hands. Practically no broomcorn will be planted in this locality this season.—C. W. Smith, agt. National Eltr. Co.

Claytonville, Ill., May 10.—Acreage of oats same as last year; condition good; wheat acreage somewhat larger, looking fine. Ground in excellent condition for corn planting. In farmers' hands 25% of corn and 15% of oats.—Joe Burt, mgr. Claytonville Farmers Grain & Coal Co.

Beason, Ill., May 2.—About 28% of the corn crop in farmers' hands and perhaps 15% of the 1910 oats. Spring crop of oats in fair condition. As some wheat looked spotted about 10% of it has been plowed up; no stock of wheat in farmers' hands worth mentioning.—John H. Harman.

Champaign, Ill., May 1.—Weather conditions in Illinois the past month have been very favorable for growing wheat and oats, but have greatly interfered with farm work and retarded the corn movement. Oat sowing was stretched out over a very long period by general rains, so corn that was expected to move between oat sowing and corn planting did not come forward. Some localities are well cleaned out of corn, while others in the same section report 60% to 75% yet in first hands in the north central part of the state, and many stations in the central division report half the 1910 crop yet to move. For the entire state I estimate 40% to 45% of corn yet in the country. Oats show up fine; present condition is very satisfactory. Except in a few localities a full acreage is seeded. Fully 25% of the 1910 oats are yet in farmers' hands or stored in country eltrs. Condition of winter wheat in central Illinois never was better at this date. It is growing so rapidly the drill rows are barely perceptible. No wheat has been plowed up of any consequence; increased acreage in most localities. Practically none in farmers' hands. Usually the bulk of Illinois wheat is marketed at threshing time.—H. R. Sawyer, traveling representative, J. H. Dole & Co.

### INDIANA.

Fort Wayne, Ind., May 1.—Farmers are trying to hold for dollar wheat.—H. C. Tresselt.

Worthington, Ind., May 2.—Growing wheat looks well but prolonged rainy season greatly retarded work on farms.—J. D. Myers.

Claypool, Ind., May 2.—About 20% more wheat this year than last. Crop looks good; 10% of the old in farmers' hands.—Geo. B. P., Pontius Bros.

Fort Wayne, Ind., May 1.—The demand for corn and oats is more than we can fill. The supply of corn was grossly overestimated.—Chas. Bash.

Ft. Wayne, Ind., Apr. 29.—Looks like a bumper wheat crop in Indiana. Oats look good, but were late so corn will be planted instead.—Maurice Neizer.

Flora, Ind., May 6.—Carroll County has the best prospect for wheat and oats we have had in years, wheat never looked better.—Miller & Walker.

Rushville, Ind., May 2.—Wheat looks fine; present prospects promise a good crop. About 35% of the corn yet to ship; most of it grades No. 4 on account of rotten grains.—Ball & Orme.

Culver, Ind., May 2.—Very wet. Small acreage of oats put out this year. Will have about 75% of a crop of wheat; shortage due to fly. Scarcely any ground plowed for corn yet.—A. Castleman, mgr. Culver City Grain & Coal Co.

Goshen, Ind., May 9.—We had a favorable winter and spring and the country never looked better. We never saw wheat fields improve as fast as they have in the last few weeks. Farmers have finished seeding oats and many fields are up; now preparing to plant corn.—Goshen Mlg. Co.

Amboy, Ind., May 2.—Present prospects for wheat are very promising. If these conditions continue we will have a bumper crop. Oats are coming up nicely, altho cold and wet made them late and retarded corn planting. We are having some heavy frosts, cold enough to freeze ice.—W. L. Lavengood Grain Co.

Fully half of the corn land in Fayette County, Ind., is unplowed as, until last week, the ground was too wet. Farmers much discouraged since, under the most favorable conditions, corn planting will be at least two weeks later than it should be. Similar reports come from the southwestern counties in the state.—F.

### IOWA.

Chapin, Ia., May 9.—Oats are starting fine, good stand, acreage is the same as last year, 25% of the oats back.—H. E. Froning.

Hampton, Ia., May 9.—Very little grain moving, expect a movement latter part of this month. Corn planting within a few days.—Moore Bros.

Chelsea, Ia., May 5.—Farmers getting ready to plant corn, acreage will be the same as usual. Crop prospects were never better.—E. S. Geisley.

Bolan, Ia., May 5.—More wheat sown than hitherto. Crops look fine. About 60% of the oats yet in farmers' hands.—H. A. Wambean, Bosworth & Wambean.

Onawa, Ia., May 2.—Both winter and spring wheat look fine in this locality, and ground is in good shape to receive corn.—A. D. Post, mgr. Farmers Eltr. Co.

Blairtown, Ia., May 5.—Corn planting just begun, ground is in good condition. Oats looking fine and prospects are very favorable for a large crop.—W. C. Yeisley.

Chapin, Ia., May 9.—Condition of ground is good and farmers have already started planting corn, there will be a large acreage.—O. E. Gridley, mgr. Farmers Co-operative Co.

Hampton, Ia., May 9.—Oats never looked better, acreage is same as usual, 25% of the oats still in farmers' hands.—E. A. Mallory, mgr. Farmers Co-operative Incorporated Society.

Marshalltown, Ia.—Oats in fine condition, acreage the same as last year. Farmers will plant corn within a week, 40% of the corn, 20% of the oats still in farmers' hands.—W. H. Sloppy.

Blairtown, Ia., May 5.—Growing wheat is looking fine, 10% more sown than usual, 60% of the corn still in farmers' hands. Practically all oats sold.—A. T. Cramer, agt. Western Elevator Co.

Clarksburg, Ia.—Good stand of oats, prospects were never better, plenty of moisture, acreage is 5% less than last year. Corn planting will begin this week.—Chas. Christensen, mgr. Watland & Christensen.

Charles City, Ia., May 4.—Small grain is coming up fine. Had a big rain Sunday and two inches of snow Monday. No old grain in farmers' hands worth mentioning.—Theodore Schilling, mgr. Farmers Exchange Co.

Waverly, Ia., May 8.—Oats look good, same acreage as last year. Usual acreage of corn will be planted, ground in fine condition. Barley prospects good, acreage larger than ever before.—A. B. Coddington, Coddington & Laird.

Chelsea, Ia., May 5.—Fully 25% of the oats and 35% of the corn in farmers' hands. Spring wheat and oats are in very fine condition, and prospects for a large crop were never better.—C. S. Maxwell, agt. Wells-Hord Grain Co.

Oxford Jctn., Ia., May 4.—Wheat and barley in fine condition, acreage some larger than last year. Ground in good condition and farmers will commence planting corn as soon as weather gets warmer.—Jno. E. Gable, mgr. Lost Nation Grain Co.

Belle Plaine, Ia., May 5.—Oats are all sown; ground in excellent condition and prospect very good. Barley acreage is twice as large as last year, in good condition. Corn planting will be general next week, acreage will be 10% larger on account of dry weather last year. The movement of grain will be pretty free after corn planting, 60% of the corn, 35% of the oats back.—E. A. Toppan.

### KANSAS.

Burrton, Kan., Apr. 27.—Wheat is looking the best it ever has.—The Burrton Grain Co.

White Cloud, Kan., May 2.—Wheat looks fine and we hope to have a prosperous year.—John H. Lynds M. & Eltr. Co.

Topeka, Kan., May 8.—The acreage sown to winter wheat in the fall of 1910 is 6,497,524, of which 1,584,435 have been abandoned, and the condition on the remaining acreage is 74%. Harper and Barber counties show 75 and 85% abandoned. Practically all of the counties in the eastern part of the state show decreased acreage as well as a number of counties in the central and south central part. This can be accounted for as a large part of the abandoned acreage was planted to corn in the spring of 1910 and little wheat was seeded in stalk ground last fall in the eastern half of the state. Practically all of the wheat sown west of the west line of Phillips, Rooks, Ellis, Rush, Pawnee, Edwards, Kiowa and Comanche counties failed to germinate until the latter part of March and April and as a result will be



very late in maturing. The high winds during the latter part of March and fore part of April blew much of this wheat out of the soil, leaving vast areas of plowed land bare. It will be at least thirty days before it can be determined with any degree of accuracy what the wheat in the western counties will amount to.—E. J. Smiley, sec'y Kansas Grain Dealers' Ass'n.

## KENTUCKY.

Dycusburg, Ky.—Growing wheat has been thin on account of cold, dry weather; about twice the usual acreage in this section. Farmers have disposed of their last year's wheat.—M. B. Charles.

## MICHIGAN.

Allegan, Mich., May 2.—Growing crops never more favorable than now at this time of the year; acreage larger. More grain than usual back in farmers' hands.—Fairfield & Kolvoord.

Blissfield, Mich., May 6.—Prospects for wheat crop could not be better. If weather is favorable corn also will be a heavy crop. Not much grain remains in farmers' hands.—H. J. L., Blissfield Mfg. Co.

Addison, Mich., May 3.—Wheat crop is doing fine and all prospects promise extra good crop on acreage a little above the average; some wheat still in farmers' hands, but not much.—H. E. Branch, v. pres. Addison Fl. Mill Co.

Lansing, Mich., May 5.—The condition of wheat in the state is 93; against 87 Apr. 1. Damage by fly is 3%, and the area plowed up because winter killed 2%. In the 9 mos. prior to May 1 growers marketed 10,950,000 bus. wheat, and have on hand 4,250,000 bus. The condition of rye is 82; and the acreage of oats is 96% of that sown in the past 5 years.—Frederick C. Martindale, sec'y of state.

Alto, Mich., May 2.—Wheat acreage is about the largest ever in this section and conditions were never better at this time of the year for a bumper crop; have traveled considerably in the last month and never saw wheat look better. Oats acreage will not be more than 80% of a full crop, owing to late seeding. I estimate 20% to 25% of wheat and oats yet to be marketed. Corn and hay all fed and farmers buying more corn than for many years.—J. H. Lyster.

## MINNESOTA.

Eden Prairie, Minn., May 2.—About the same amount of grain sown this year as last.—Fred F. Miller.

Milroy, Minn., May 2.—Crops look good in this locality.—Theo. Blake, mgr. Milroy Farmers Eltr. Co.

Franklin, Minn.—Crop prospects never better. Grain 3 inches high. Corn planting. Lots of moisture.—Wm. Fox.

Bird Island, Minn., May 3.—About 5% to 8% of the wheat in farmers' hands, but no oats, barley or flax.—Ross Knutson, Knutson & Tinnes Grain Co.

Burr, Minn., May 5.—Getting very dry for crops, strong winds. Early sown grain looks good, late sown is coming up uneven. We will have 50% less oats than last year.—Charles Davin, mgr. Burr Farmers Eltr. & Supply Co.

Minneapolis, Minn., Apr. 26.—Abundant moisture has fallen in the three Northwestern States, both in the form of rain and snow, putting the ground in first-class condition for seeding. There is now sufficient moisture in the ground to germinate all grain crops and to last until the middle of May to the first of June. An increase in the acreage devoted to bread wheat, probably 10%. The bread wheat area will be increased at the expense of durum wheat and flax. A heavy decrease in the flax area, due largely to the inability of the farmers to secure flax seed. For the three northwestern states there will be a decrease in acreage sown to oats, farmers preferring to sow barley instead. The barley acreage will be about the same as last year for the three states.—The Van Dusen-Harrington Co.

## MISSOURI.

Columbia, Mo., May 6.—A number of correspondents speak of the ravages of the green bug, which has been getting in its work during the cool weather. It is believed that with the coming of warmer weather there will be but little cause for complaint from this pest. Correspondents report 65.3% of corn land plowed, but only 21.3% of the corn crop planted. On May 1 of last year 46.7% of the corn crop had been planted, while the ten year average of corn planted on May 1 is 34.9%. The outlook for a good wheat crop is very flattering, the condition of the entire state being 90.6, compared with 70.5 one year ago, or 85 as the eight year average for May 1. The abandoned acreage is but 1.5, as compared with 18.1 abandoned last spring. Only one or two correspondents mention any trouble

from Hessian fly. The oat crop is coming along well, the condition for the entire state being placed at 88.9, compared with 82 one year ago. The revised acreage is placed at 99.2, compared with last year.

## NEBRASKA.

Wilber, Neb., May 2.—Wheat looks fine and looks like a good crop.—Farmers Eltr. Co.

Plymouth, Neb., May 4.—Condition of wheat about 75%.—Chas. Germer, Germer & Co.

Potter, Neb., May 3.—Good rain, prospect for grain never better. Very little grain in the farmers' hands.—C. W. Johnson.

Straussville, Neb., May 3.—About 30% of the corn in hands of the farmers. Plenty of rain, prospect for wheat good. Oats look good.—J. H. Dietrich, mgr. Farmers Eltr. Co.

Sargent, Neb., May 4.—Considerable moisture at present and the outlook good. A large acreage of corn and oats. Considerable wheat winter-killed.—J. E. Werber, agt. Sargent Eltr. Co.

Plattsmouth, Neb., May 5.—Acreage of wheat about the same as last year, with corn about 10% less and oats 10% more. Growing grain is good. Old wheat is all gone and there is not much corn left.—C. L. Jean, Chas. L. Jean & Co.

Wahoo, Neb., Apr. 29.—Growing wheat in excellent condition and prospects for a bumper crop were never better. Oats are coming up nice and even. Corn ground is in grand shape. About 40% of last year's crop is still in the farmers' hands.—James Kearney.

Rockville, Neb., May 5.—About 10% of the wheat held by the farmers. About 30% of the corn in the farmers' hands and coming in slowly. We have had some good rains and the crops look fine. Corn planting has started.—S. Olsen, mgr. Citizens Co-op. Grain & Supply Co.

Touhy, Neb., Apr. 19.—Ground is in very good working condition for putting in crops. A little rain would be beneficial to the wheat altho as a whole wheat is looking fine. Both corn and wheat have been coming in very freely the past two weeks. One-half of the grain raised here last year is still in the hands of the farmer.—W. C. Hagelin, agt. Nebraska Eltr. Co.

## NORTH DAKOTA.

Kief, N. D., May 3.—Crop conditions good, but rain is needed.—W. A. Bokovoy.

Arthur, N. D., May 3.—Land is in fine condition for seeding and the acreage is an average. Good prospects.—Farmers Eltr. Co.

Argusville, N. D., May 5.—The ground never better for seeding, acreage is about 10% greater.—C. H. Hancock, mgr. Argusville Farmers Eltr. Co.

Balfour, N. D., May 4.—Most wheat planted, acreage about the same as last year. Rain needed badly. No grain in farmers' hands.—M. F. Walsh, mgr. Balfour Farmers Exchange.

Hunter, N. D., May 6.—The weather for farm work has been ideal recently. Considerable corn will be planted; wheat acreage about the same.—H. Limburg, mgr. Farmers Eltr. Co.

Calvin, N. D., May 4.—Ground in good shape but we will need rain soon. Acreage of all grains will be the same as last year with the exception of barley, which may be short on account of scarcity of seed.—W. R. Hendry, mgr. Farmers Eltr. Co.

## OHIO.

Burkettsville, O., May 4.—Wheat is looking fine. Not all of the oats sown yet and plowing for corn is progressing slowly.—S. S. Earhart Grain Co.

Forest, O., May 5.—Wheat is looking fine and promises to be an average yield. Early sown wheat is the best. Oats are growing nicely.—A. B. Shafer.

Lebanon, O., May 4.—Conditions are promising for good wheat crop. Oats are backward owing to the continued wet weather. Corn also is late.—Lewis Bros. & Co.

Swanton, O., May 2.—Wheat thru this section is the best in years and there is every indication of a 100% crop. Oats are all sowed and looking fine and 75% of the corn ground ready for planting.—The Pilliod Mfg. Co.

Versailles, O., May 5.—Wheat in fair condition and will make 75%. Oats one month behind and much has been planted hurriedly. Corn planting two weeks behind. About a fourth of the oats and wheat and a third of the corn in the farmers' hands.—W. C. Hile.

Columbus, O., May 1.—The prospect of wheat is encouraging, its condition being

estimated at 87% as compared with 85% last year and 84% one month ago. Some slight damage was done by cold wet weather. Weather conditions during April were unfavorable to oats seeding, as the rains were too frequent. The present area is 94% of the area of last year. Should wet weather continue much of the ground will be planted in corn. The condition of rye is 90% of an average.—Ohio Dept. of Agri.

## OKLAHOMA.

Poteau, Okla., May 3.—Small acreage of wheat here, but it is fine.—R. D. Turman.

Muskogee, Okla., May 3.—Wheat is looking well, but we need more sunshine.—Thos. M. Wright.

Tuttle, Okla., May 4.—We expect to harvest more wheat and oats than ever before. An increased acreage.—Wheatland Grain & Lbr. Co.

Okmulgee, Okla., May 5.—Oats are looking fine and corn is a fair stand and being cultivated for the first time. This part of Oklahoma has the best corn crop for years.—J. L. Cary, Okmulgee Mill & Eltr. Co.

Sentinel, Okla., May 1.—Last year this station shipped 200,000 bus. of wheat, but there will not be more than 30,000 bus. shipped this year. If we do not get rain soon we will not have any wheat or oats.—A. T. Jones.

Oklahoma City, Okla., May 1.—A slight increase is shown in the condition of growing wheat, the condition now being estimated at 65%. The proportion abandoned is placed at 41%. In Woods county, usually a good wheat county, the acreage abandoned is placed at 100%. The condition of oats is placed at 88%; corn, 84%; alfalfa, 85%.—Okla. State Board of Agri.

## SOUTH DAKOTA.

Menno, S. D., May 3.—Oats and wheat look splendid. Farmers starting to plant corn.—J. J. Decker.

Ravinia, S. D., May 3.—We have fine prospects of a good crop. The recent general rains have put the ground in excellent condition.—Jno. F. Whalen, mgr. Farmers Eltr. Co.

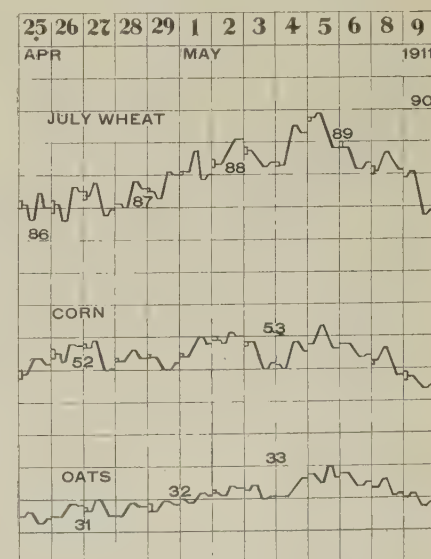
Mt. Vernon, S. D., May 4.—Crop conditions are very promising. Have had plenty of moisture. About 15% of the wheat, 5% of the oats and 5% of the corn still in the farmers' hands.—Mt. Vernon Mfg. & Eltr. Co.

## TEXAS.

Ft. Worth, Tex., May 3.—Corn prospects are fine in Texas. The largest acreage of corn ever planted and the best condition ever seen in this state on the first of May. A good crop of oats; and if May weather is favorable the state will make a bumper yield of oats. Wheat acreage is probably a little over one million acres in Texas this year and I look for a crop of twelve to fifteen million bus.—G. J. Gibbs, sec'y Texas Grain Dealers Ass'n.

## Chicago Prices

The opening, high, low and closing quotations on wheat, corn and oats for July delivery at Chicago for the past 2 weeks are given on the chart herewith.





## WISCONSIN.

Somerset, Wis., May 3.—Crops are looking well, but need some rain.—H. A. Le Grandeur.

Madison, Wis., May 1.—The recent rains will supply plenty of moisture for early growth. The acreage of spring wheat is about the same as 1910 and the condition is placed at 87. The condition of clover is 72, winter rye 92, and alfalfa 86.—R. W. Rowlands, sec'y Wisconsin State Board of Agri.

## GOVERNMENT CROP REPORT.

Washington, D. C., May 8.—The United States Department of Agriculture estimates on May 1 the area of winter wheat to be harvested was about 31,367,000 acres, or 1,940,000 acres (6.6%) more than the area harvested in 1910, and 3,118,000 acres (9.0%) less than the area sown last fall, 34,485,000 acres.

The average condition of winter wheat on May 1 was 86.1, compared with 83.3 on April 1, 82.1 on May 1, 1910, and 86.0, the average for the past ten years on May 1.

The condition of the wheat crop on May 1 of the past five years averaged 85.7%; in the same five years the final yield per acre averaged 15.5 bus.; if the above ratio should prevail this year the condition of 86.1% would indicate a yield of 15.6 bus. per acre, which compares with 15.8 bus., the final estimate of yield per acre in 1910, 15.8 in 1909, and 15.5, the average of the past five years. On the estimated area to be harvested, 15.6 bus. per acre would produce 5.4% more than the final estimate of production last year, 9.6% more than the production of 1909, and 8.7% more than the average annual production of the past five years. The out-turn of the crop will probably be above or below the figures given above, according as the change in conditions from May 1 to harvest is above or below the average change in the past five years.

The average condition of rye on May 1 was 90.0, compared with 89.3 on April 1, 91.3 on May 1, 1910, and 89.7 the average for the past ten years on May 1. Details for winter wheat and rye states follow:

States.	Per cent abandoned.	Winter Wheat.		Rye.	
		*Acres to be harvested.	Cond. May 1.	Cond. May 1.	
Kan. ....	23.0	4,948	76	65	77
Ind. ....	3.4	2,698	90	82	92
Neb. ....	6.5	2,665	88	67	87
Ill. ....	4.1	2,223	86	80	93
Mo. ....	1.5	2,195	92	73	94
Ohio ....	3.2	2,049	88	86	89
Pa. ....	3.8	1,532	89	93	90
Tex. ....	7.0	1,241	83	91	91
Okla. ....	32.0	1,123	67	87	74
Mich. ....	2.0	947	91	84	92
Cal. ....	6.5	926	83	94	90
Tenn. ....	5.0	917	88	83	88
Va. ....	2.9	796	89	92	90
Md. ....	2.9	795	85	93	86
Ky. ....	4.0	760	92	83	93
Wash. ....	3.5	726	96	95	97
N. C. ....	3.9	678	90	85	89
Ore. ....	4.0	530	94	95	96
S. C. ....	3.4	494	85	81	88
N. Y. ....	3.7	443	89	97	85
W. Va. ....	4.0	404	88	90	91
Ida. ....	3.7	377	96	98	93
Mont. ....	5.5	366	98	98	95
Ia. ....	4.1	259	93	77	95
Ga. ....	3.3	258	91	83	90
Ark. ....	5.0	213	88	92	89
Utah ....	6.0	164	92	94	97
Ala. ....	5.1	143	90	80	86
Colo. ....	11.5	121	85	94	82
Del. ....	3.0	120	87	98	90
N. J. ....	3.9	110	90	96	91
Wyo. ....	8.0	50	92	94	95
Wis. ....	6.8	71	88	92	91
Miss. ....	12.5	9	85	87	89
Minn. ....	...	...	...	89	89

\*The 000 omitted.

Of spring plowing 71.0% was completed up to May 1, compared with 80.3% on May 1, 1910, and a ten-year average on May 1 of 67.2.

Of spring planting 60.0% was completed up to May 1, compared with 65.0% and 51.9% on May 1, 1910 and 1909, respectively.

A cargo of rye arrived at New York recently and is said to be the first importation on record from Russia. The shipment was consigned to Germany, but diverted to America on account of the high prices here. Part of the cargo has been shipped to Ohio, and some is offered at \$1 c. i. f. Buffalo.

## THE MODERN CUPOLA.

BY P. F. M'ALLISTER.

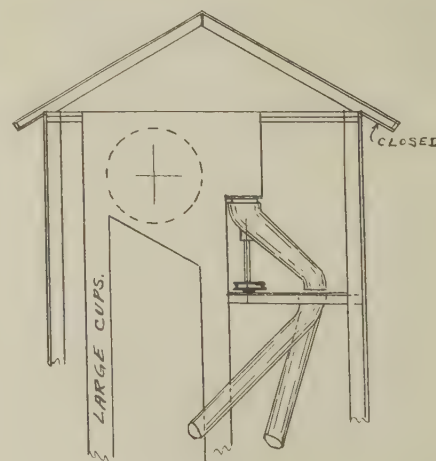
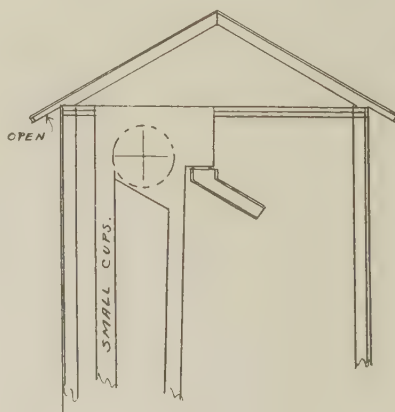
The old time grain elevator cupola has so many faults and defects, the wonder is that elevators were permitted to have cupolas. The old time house, with its small head pulley and poorly constructed distributing spout, which was guaranteed to mix any kind of grain permitted to enter the house, caused much worry and many losses to the early elevator men. Sad to relate, some elevator men are still trying to do business with the same old style equipment, handicapping them in their work and minimizing their profits. Of course the old cupola was sided with wood, and covered with shingles, not because the owner was eager to sell it to the fire insurance company, but because he did not stop to think of the spark-casting locomotives which passed his house many times each day.

Old leaky wooden spouts further contributed to the mixing process, and all without intent or desire upon the part of the operator, who found a trip to the cupola so irksome, he seldom made one, and when he did, he saw enough to wish that he might never return.

The cornices of the old style elevators were open, so as to provide a resting place for hot sparks from passing locomotives, or a nesting place for the ubiquitous sparrow, who carries rubbish to every lodging point which is protected from the elements. The \$20,000 elevator of the Columbia Mill & Elevator at Columbia, Tenn., and many others have been burned because its cornices were open and inviting to sparks.

The modern cupola has the under side of cornice closed and covered with galvanized iron. The small head pulley, the old leaky wooden spouts, the wooden turn-head and small cramped quarters have been displaced by large well-lighted roomy head houses, with guarded passage ways for the workmen. The iron distributors will not mix, can be operated from the main floor of the elevator, and grain sent to any bin desired, without a trip to the roof.

Any grain dealer who has attempted to struggle along with old time facilities will readily appreciate the advantages to be obtained from the modern up-to-date elevator, which permits of the ready handling of large quantities of grain without manual labor, without mixing and without waste.



Cupolas of Old Time and Modern Elevators.

## H. E. RICHTER.

H. Edward Richter, president of the Richter Grain Co., of Cincinnati, who was recently elected secretary of the Cincinnati Chamber of Commerce, started in the grain business as office boy for Gale Bros. in April, 1890. He worked through the various departments, and when The Gale Bros. Co. was incorporated, he was made secretary of the company.

Twenty-one years actual experience in all branches of the grain business have made him familiar with all its details, and well and favorably known to the trade of the Ohio Valley. He reports that business has been good with him from the start, and that it has already greatly exceeded his expectations.



H. E. Richter, Cincinnati, O.



## Supreme Court Decisions

**Right of Buyer on Sale by Sample.**—On a sale by sample, there is an implied warranty of quality. Breach of an implied warranty of quality authorizes the buyer to retain the goods, and, when sued for the price, to set up the breach of warranty, to reduce the sum recoverable by the seller. —Meyer, Wilson & Co. v. Everett Pulp & Paper Co. U. S. Circuit Court, Western District of Washington. 184 Fed. 945.

**Landlord's Lien.**—Liens of a landlord on the tenant's crops to secure advances made during the season were superior to his lien as owner of a mortgage executed by his tenant and signed by him, to secure a note on which he was surety, and covering the tenant's interest in the same crops; the landlord having paid the note and taken an assignment of it and the mortgage to himself, so that he could without the tenant's consent first apply the crops to the payment of the advances made by him, his signing the mortgage not preventing him from doing so. —Tripp v. Harris. Supreme Court of North Carolina. 70 S. E. 470.

**Interstate Commission Has Power to Fix Rates.**—The power delegated by Congress to the Interstate Commerce Commission to prescribe railroad rates for the future is legislative in its nature, and, since it concerns the administrative affairs of the government which by reason of variable conditions cannot be covered in detail by direct legislation, its delegation is not in violation of the Constitution, and it may be as fully exercised by the commission, as Congress might have exercised it, subject to any limitations imposed by Congress itself. —Louisville & N. R. Co. v. Interstate Commerce Commission. U. S. Circuit Court, Western District of Kentucky. 184 Fed. 118.

**Loss of Freight.**—The shipper inserted in the car inside doors for retaining the flax, such doors being furnished by the carrier, and supplied with a fastening device. The evidence shows that these doors were properly fastened, with the device so furnished, by the shipper and assistants, all of whom were familiar with the use of such doors and devices. The car, after being so loaded with these doors inserted, was receipted for, and the outside doors closed and sealed by the defendant's agent, who had full opportunity to observe while closing the outside doors whether the inside doors were properly fastened. Held that, if they were not properly fastened, in view of these facts, the carrier is not relieved from liability for loss occasioned thereby. —Duncan v. Great Northern Ry. Co. Supreme Court of North Dakota. 118 N. W. 826.

**Vessel Liable for Damage to Grain by Leak in Pipe.**—The cargo of grain carried by a steamer from a Lake Superior port to Buffalo was found on arrival to have been damaged by water escaping from a crack in the main feed pipe running through the cargo space between the boiler and engine. Such construction was not unusual, and the vessel had an A1 rating, but had been built for 11 years, during which time the pipe had not been renewed, and had not been thoroughly inspected for more than a year, being covered with asbestos and inclosed in a box, which had not been removed in that time. Rough weather was encountered on the voyage, but not worse than was to be expected at the season. Held, that the evidence placed the burden of proof on the vessel to show that the damage resulted from a danger of navigation within the exception of the B/L, rather than from a defect in the pipe which rendered her unseaworthy at the beginning of the voyage. —The Rappahannock Northern Elevator Co. v. Davidson S. S. Co. U. S. Circuit Court of Appeals. 184 Fed. 291.

**Shipper Has Right to Divert Car.**—A shipper has the right to stop or divert a car at an intermediate point. —Lord & Bushnell Co. v. Texas & N. O. R. Co. St. Louis Court of Appeals, Missouri. 134 S. W. 111.

**Sale by Sample.**—A buyer must prove that the sale was by sample, and that the goods sold were not equal to the sample, in defending an action for the purchase price on that ground. —J. H. Paddock Co. v. Sandovitz. Supreme Court of New York. 128 N. Y. Supp. 656.

**Damages for Refusal to Accept Crop.**—The measure of damages for the refusal of a buyer of a crop of tobacco to accept the crop is the difference between the contract price and the market value at the time of delivery fixed in the contract. —Carle v. Nelson. Supreme Court of Wisconsin. 130 N. W. 467.

**Shipper Can Recover Decline in Market Value.**—In case of the breach by a common carrier of its obligation to deliver merchandise within a reasonable time, the shipper may recover as general damages the decline in its market value between the times when it should have been and when it was delivered. —Wyler, Ackerland & Co. v. Louisville & N. R. Co. Supreme Court of Ohio. 94 N. E. 423.

**Value of Railroad Property.**—Under the evidence in these cases the cost of reproduction new of the Minnesota properties of the defendant companies devoted to the public use of transportation is more persuasive evidence of their values than the market value of their stocks and bonds, or the original cost of their acquisition and construction. —Shepard v. Northern Pac. Ry. Co. U. S. Circuit Court, District of Minnesota. 184 Fed. 765.

**Trade Custom.**—Where an alleged custom of selling rice by the barrel was not shown to have existed for such a length of time as to have been generally known, an offer by wire to sell rice, viz., "Have 200 sacks left, second year, highly graded, \$5.75 f. o. b. here. Wire quick. Very scarce"—did not constitute an offer to sell at \$5.75 "per barrel" as a matter of law. —D. S. Cage & Co. v. Black. Supreme Court of Arkansas. 134 S. W. 942.

**Exchange Members.**—Where an exchange organized as a membership corporation was governed by by-laws defining the duties and obligations of members inter se, one joining the association subjected himself to its constitution and laws, and, if guilty of misconduct, the penalty of which was expulsion, could not complain if expelled by regular proceedings. —Moyse v. New York Cotton Exchange. Supreme Court of New York. 128 N. Y. Supp. 112.

**Lien on Crop.**—The privilege of the furnisher of supplies on the crops of the year arises only where the supplies are necessary for the operation of the farm or plantation. Such a privilege cannot be recognized in the absence of evidence showing in detail the nature, amount, and price of the articles furnished. —Henry Lochte Co., Limited, v. Lefebvre (People's Bank of Plaquemines, Intervener). Supreme Court of Louisiana. 54 South. 578.

**Sale of Crop.**—Where a corporation agreed to sell a partnership 500,000 pounds of hops to be raised during the five succeeding years, 100,000 pounds to be sold each year, the contract was severable, each installment being separate; and hence a failure of the seller to offer to deliver the crop of one year would not preclude his recovery upon a refusal of the purchaser to accept the crop of another year. —Krebs Hop Co. v. Livesley. Supreme Court of Oregon. 114 Pac. 944.

**Validity of Warehouse Receipt.**—A lien created by a paper styled "warehouse receipt," which is enforceable as a chattel mortgage or pledge of corporate property, though void as a statutory warehouse receipt, is valid against a receiver in a suit for the settlement of the corporate business and against interveners who became creditors with notice after the debt secured by the lien was contracted. —In re New Glenwood Canning Co. First Nat. Bank of Omaha, Neb., v. Day. Supreme Court of Iowa. 130 N. W. 800.

**Railroad Can Condemn Land for Switch.**—A landowner cannot object to the condemnation of land for the extension of an industrial switch, on the ground that the company has not yet acquired intervening property needed to connect the proposed switch with the main line; it having by the instrument of appropriation pledged that the switch would be connected with the main line and used for the public service. —Bedford Quarries Co. v. Chicago, I. & L. Ry. Co. Supreme Court of Indiana. 94 N. E. 328.

**Carload Rates.**—A carrier may not forbid the aggregation of the shipments of various owners for the purpose of carload rating in Official Classification territory, or the combination of such shipments by forwarding agents for that purpose, where preferences and discriminations forbidden by the act of February 4, 1887, § 2, will result from the carrier's action. —Interstate Commerce Commission, the American Forwarding Co., Appts., v. Delaware, Lackawanna & Western R. R. Co. Supreme Court of the United States. 31 Sup. Ct. Rep. 392.

**Void Limitation of Carrier's Liability.**—A stipulation in a B/L limiting the liability of a carrier for damages to goods shipped, to a sum purporting to be an agreed valuation, but which, in fact, is purely fictitious, and is nothing more than an attempt to limit the carrier's liability to an arbitrary amount, without regard to the value of the shipment, will not bind the shipper, although assented to in writing and executed upon consideration of a reduced rate of freight. —Union Pac. R. Co. v. Stupeck. Supreme Court of Colorado. 114 Pac. 646.

**Liability of Payee of Draft.**—A payee bank which in the ordinary course of business cashed a draft with bank indorsed B/L attached or placed the proceeds thereof to the credit of the consignors-drawers, and which forwarded the same for collection, did not become liable to the drawee-consignee upon payment of the draft for a breach of the contract of sale arising from a shortage in weight or deterioration in quality of the cotton covered by the B/L. —Cosmos Cotton Co. v. First Nat. Bank of Birmingham. Supreme Court of Alabama. 54 South. 621.

**Contract not to Deal in Grain.**—Where the owner of a gristmill, and who sold grain at retail, on a sale of the business agreed with the purchaser not to in any "way, form, or manner" deal in grain within 10 miles of the mill for a term of years, it was a breach of the contract for him, as a traveling salesman, thereafter to sell grain at wholesale within the territory in question. Where a contract provides for a forfeiture of a sum of money on breach, whether it is intended as a penalty or liquidated damages depends on the intention of the parties. —Clark v. Britton. Supreme Court of New Hampshire. 79 Atl. 494.

**Foreign Insurance Companies.**—A fire insurance company, having its principal office in the state which created it, does not violate the laws of another state, forbidding foreign corporations to do business therein, except upon certain conditions, by insuring property in such other state before compliance with those conditions, if application for the insurance is made to the company at its home office, and the policy is issued therefrom. It is not thereby doing business in the state in which the property insured is located. —Swing v. Taylor & Crate. Supreme Court of Appeals of West Virginia. 70 S. E. 873.

**Violation of Stipulation in Policy.**—Where an insurance policy provided that the insurance should be void, if mechanics were employed upon the building for more than 15 days at any one time without the consent of the company, the insurance was void as a matter of law, where the owner started on the work of raising the building, to be carried on from the commencement of the work to completion by different contractors, no one of whom exceeded the 15-day limit, but the work covered at least 30 days, though not consecutively, before its completion. —Robb v. Millers' Mut. Fire Ins. Co. Supreme Court of Pennsylvania. 79 Atl. 150.



## A 40,000-BU. MODERN ELEVATOR FOR CLARK, S. D.

Clark, S. D., will soon have one of the best equipped elevators in the Northwest, contract just having been let by the Clark County Farmers Elevator Co., to L. O. Hickok & Son of Minneapolis for a 40,000-bu. cribbed elevator with a concrete foundation, and full basement with cement facing on all floors underneath the bins, work floor, driveway and office, so that the plant can easily be kept dry, clean and free from rodents.

The approaches to the driveway are formed of gravel and clay fill graded up between 7 ft. concrete containing walls. The main building is 39x44 ft., and about 84 ft. above grade. The cribbing is 2x6s to the height of 25 ft., and 2x4s the next 25 ft. Most of the 20 bins of the house are hoppers, but those extending to working floor have flat bottoms. The hopper bottomed bins being built within them will have bottoms high enough so that grain from them can be spouted direct to the hopper scale on work floor of first story, or direct to grating in floor over elevator boot.

In drive-way is an 8x16 ft. wagon dump with an Automatic Dump Comptroller. A large wagon pit will be hoppers with steep sides, so that all grain will run to elevator boot. A cement receiving pit will be built on the track side of house, so that grain can be received from cars and conveyed to elevator boot by means of a 12-inch spiral conveyor. Each of the two stands of elevators will be equipped with 6x11-inch Salem Cups on 12-inch rubber belt. Steel leg casings and steel heads complete the leg equipment. The man lift to be installed between the up and down legs will afford easy passage from ground floor to first floor of cupola for one or two men at a time.

A Hall Signalling Distributing Spout with an overflow attachment will be installed in the cupola, and provided with a turn rod and indicator, so that grain can be diverted to any bin, to cars, or wagon, without operator leaving first floor. The car-puller in basement will have capacity for pulling 3 loaded cars. The cupola will have no windows, but a large skylight in the peak, glazed with wire glass in a galvanized iron frame will provide light, and a 16-inch ventilator will permit of a continuous draft up through the house and out through the roof, without admitting sparks from passing locomotives.

Power will be transmitted from a 15 H. P. gasoline engine in the cement floored engine room adjoining the office to a line shaft in basement by means of a belt. From the basement line shaft power is transmitted to line shaft in cupola by means of a two-strand rope drive, and to the spiral conveyor in basement by means of a chain drive. Jaw clutch couplings are provided at the engine, for drive to conveyor and for each of the head pulley drives, so that any piece of machinery can be thrown out of commission at any time desired by the operator without interfering with other equipment.

A 75-barrel cistern just outside the engine room affords ample water to keep the engine cylinder cool. A gasoline supply tank, which is also constructed of concrete, is sunk in the ground 20 ft. from the elevator.

One quite unusual feature, which is considered of special advantage, is having the hopper scale on heavy concrete foundation with beam in first story, where

operator can readily weigh grain out and watch his hopper without making a trip to the cupola.

The drive-way is roomy, and has easy approaches. The deep sink about the elevator boots facilitates the rapid handling of all grain received, and the 8-inch well casing with flexible spout attached is set at an angle which insures the rapid loading of cars to full capacity without shoveling.

All of these advantages, however, will be forgotten by the man in charge, because of the commodious, well-lighted, conveniently arranged office, which is 24x20 ft. The general office will be 10x20 ft., and will be separated from the private office and director's room by a partition containing a sliding sash. In the 14x20 ft. private office will be a large desk with drawers. It will also contain the scale beam for the outside coal scale. Both offices will be furnished in yellow pine with natural oil finish. They will be heated from a furnace in the engine room, which will also keep the engine from freezing in cold weather.

The engine room, which is 10x24 ft., adjoins the offices; and is made large for the purpose of installing an electric light plant to light the elevator and to furnish light to adjoining shops, if desired.

An unusual device will reduce the insurance cost of this plant 10c per \$100. It is none other than an electric journal alarm, which will signal in the office whenever a bearing reaches a temperature of 165 degrees. This is the system used in most of the terminal elevators, and needed in all plants. Only recently has a

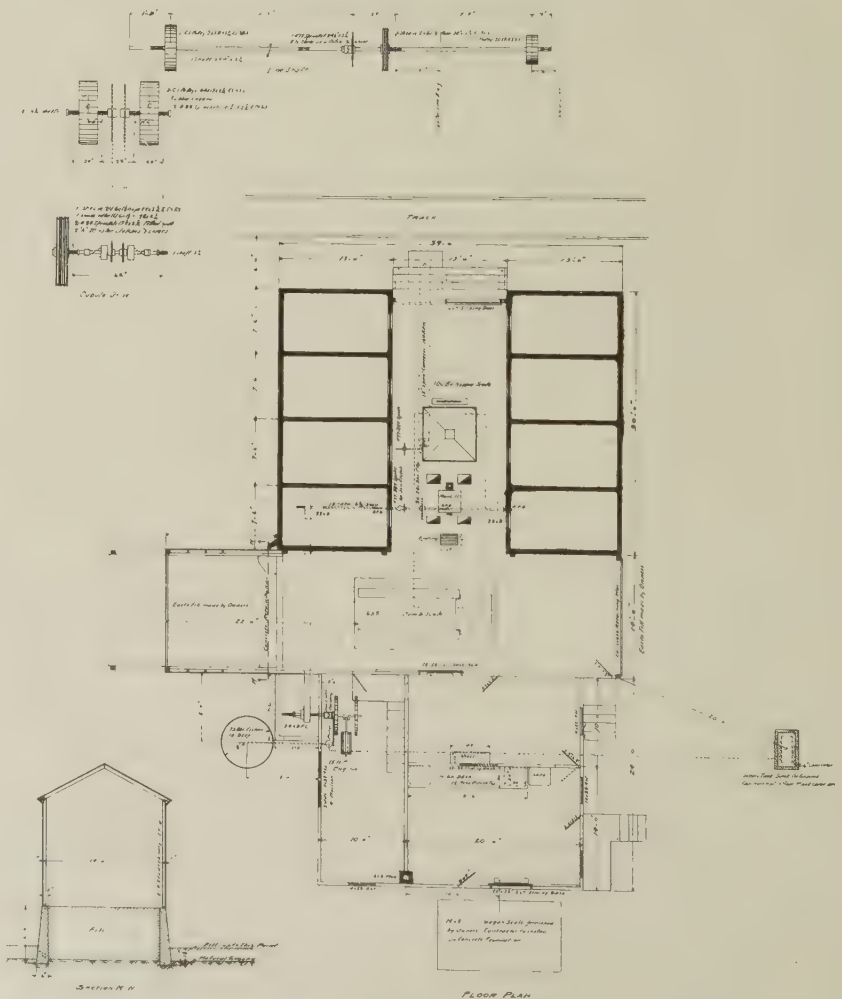
simple system been devised, which can be installed at a cost low enough to permit its use in every country elevator.

The exterior of the building is covered with galvanized corrugated iron siding, and the elevator and cupola roofs with galvanized standing seam roofing. The drive-way and office are covered with Carey's Magnesia Roofing. The partition wall between the engine room and the offices is lined underneath the wall finish with linofelt, for the purpose of deadening the sound of the running engine.

With such a well equipped, conveniently arranged, rapid handling house, any grain dealer would delight not only in conducting a grain business, but in keeping his elevators spick and span every day of the year. The designers are indeed fortunate to find one company which would insist on having all of the best equipment for the rapid handling of grain as well as all the labor saving devices known to the trade.

The Clark County Farmers Elevator Co. was organized in 1903 and last year handled 450,000 bus. of grain and sold 2,800 tons of coal besides large quantities of salt and twine.

One of the largest single rice sales ever made was that of 250,000 barrels of rough Japan rice which was sold recently by the Southern Rice Growers Ass'n for approximately \$650,000. The rice was sold on the association basis of pricing and grading and entirely cleaned up the rough Japan rice from the market. The association was formed in the fall of 1910 when the price of rice was very low.



Floor Plan New Elevator at Clark, S. D.



## CONTRACTING FOR NEW ELEVATOR.

By P. F. R.

It is an encouraging sign to know that grain dealers are beginning to pick to pieces the plans and specifications of the barn builders. By reading and observation, they are learning readily to discern the faults in the cheap house which is such a temptation every time a man wants to put up a new elevator. When his attention is called to it, he readily understands that the plant which is built on a flimsy foundation will soon go to pieces and if the elevator does not fall in a heap, its joints will be wrenched and the whole structure will get out of plumb.

The plant which is not conveniently arranged costs more to operate and more to maintain. In houses where the machinery is cramped into a congested corner, it does not receive the attention needed and when the operator does inspect it, he does so at the danger of his life and limbs.

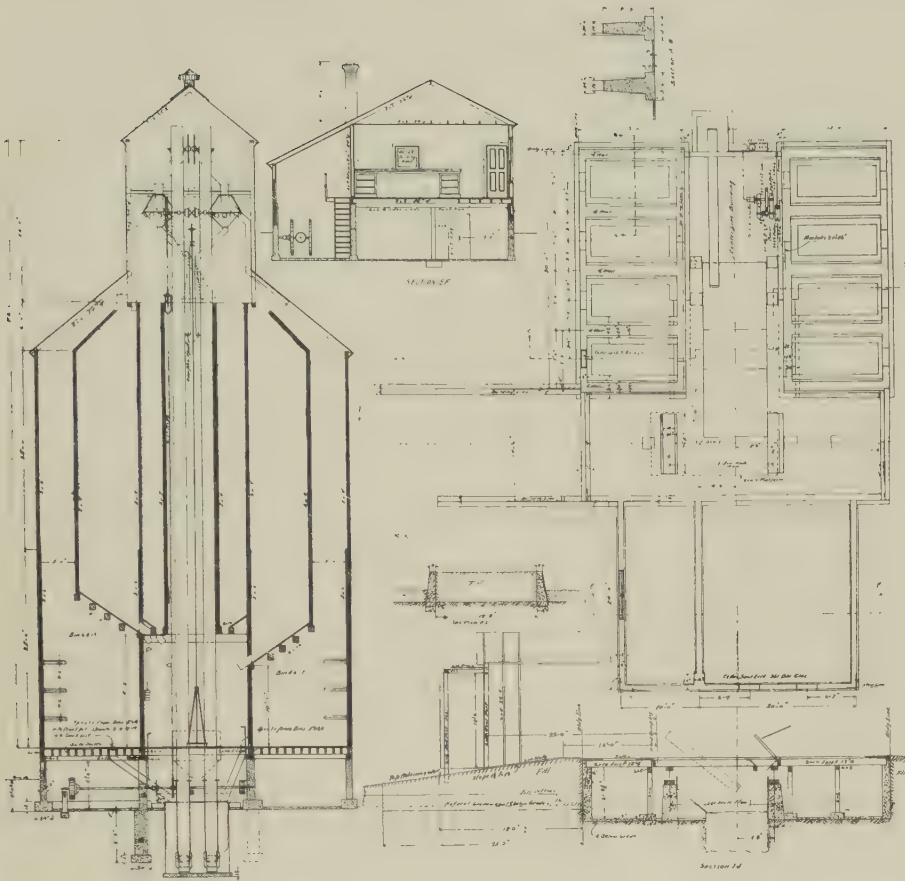
Some foundations are mere makeshifts and can not be expected to sustain a load. Some boot pans are simply set in the earth and the sides are not walled up with concrete as expected. I saw one recently in which no concrete was placed anywhere about the pan, so that the so-called collection of sand stone and cement readily crumbled and fell into the pan when the house was completed and loaded. The outside walls gave ample evidence of the builder's ignorance of cement construction; anybody could kick the foundation to pieces without scratching his shoes and a good strong rat could go through it almost any place.

Rotten work of this character is occasionally obtained even from a good contractor, but a man who knows his business generally instructs his foreman what is necessary to comply with the plans and specifications and is not willing to jeopardize his reputation by cheap work which will soon go to pieces.

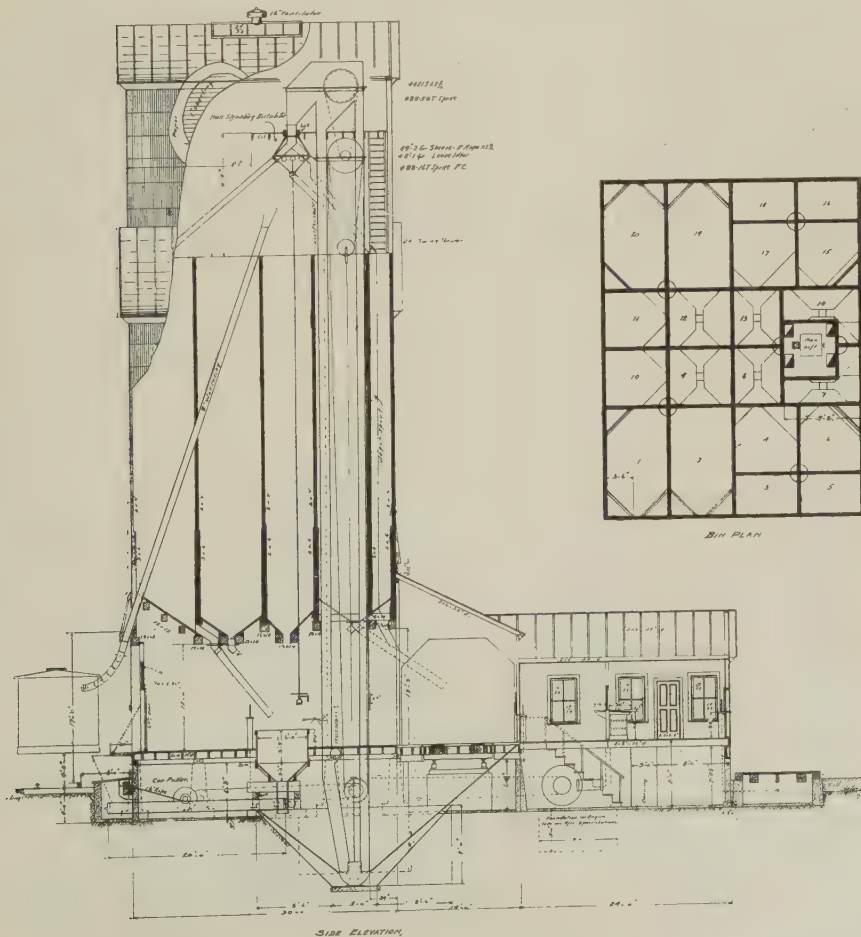
Small, shallow wagon sinks, which will not hold even a wagon load of grain are dear at any price. Some dealers have large sinks built purposely so as to permit them to receive considerable grain during dull periods without even starting their power. It is not much more expensive to build a larger hopper sink, but its possession greatly increases the convenience of the house and often reduces the operating expense.

Specifications which call for 8-inch cement floors are not complied with when 2-inch facing of cement is laid on top of loose dirt as brought to light by the burning of a new elevator recently. The grain dealer whose vigilance prompts him to do shopping until he gets the lowest price it is possible to obtain, should not overlook the fact that visits should be continued to the point of seeing that he gets what he has contracted for.

A silver cup, valued at \$1,000, has been offered by A. J. Earling, pres. of the C. M. & St. P. R. R., for the best oats produced in the United States and exhibited at the National Land Show and Grain Contest in New York next November. J. J. Hill, chairman of the executive board of the Gt. Northern railroad, offers a \$1,000 cup for the best 100 lbs. of wheat and Sir Thomas Shaughnessy, pres. of the Canadian Pacific, offers \$1,000 in gold for the best red spring wheat grown in the United States or Canada.



Sectional Views of Elevator and Office, also Foundation Plans.



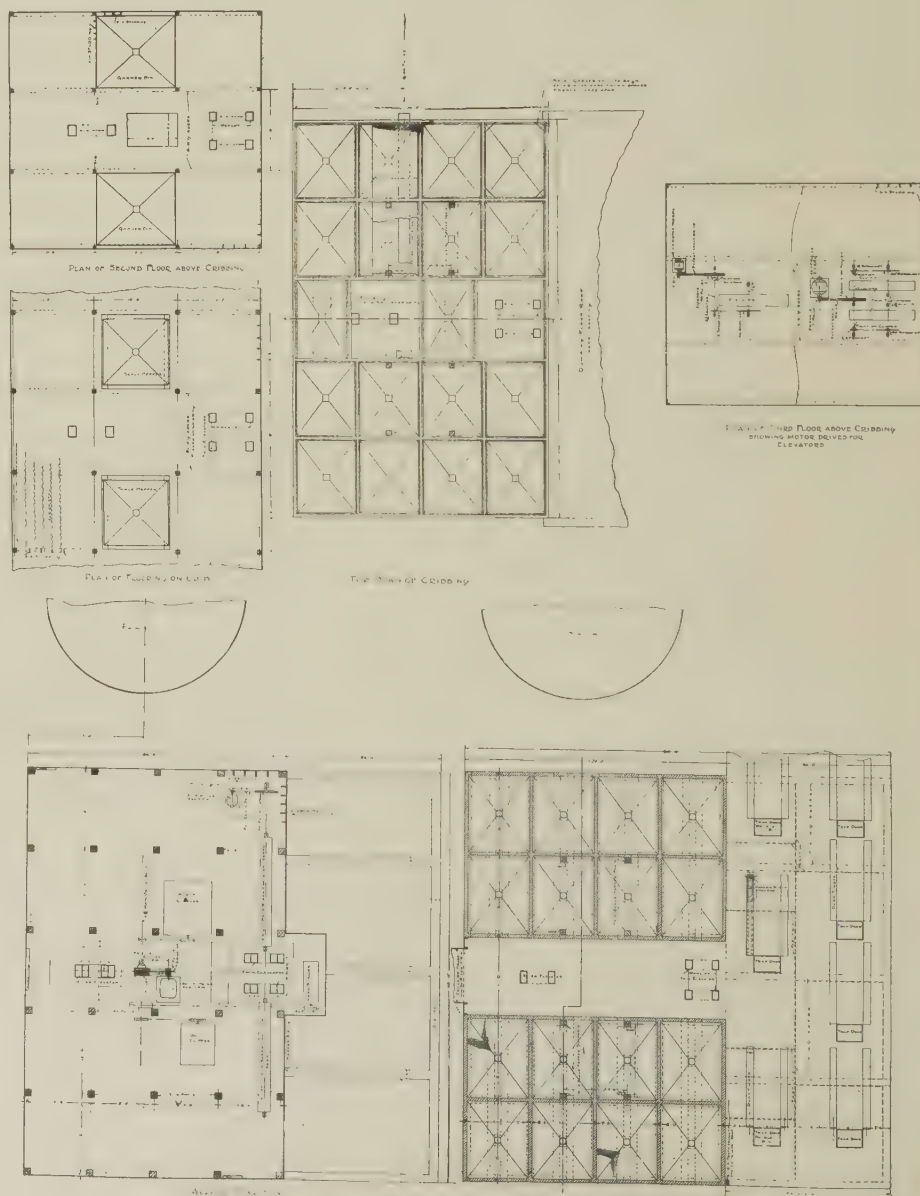
Side Elevation and Bin Plan New Clark, S. D., Elevator.



NEW ELEVATOR OF THE  
Turner-Hudnut Co. at  
Pekin, Ill.

Cyanamid is a fertilizer for grain crops made out of the nitrogen in the air by electricity. In 1910 the French company manufacturing cyanamid sold 4,000 tons at about 2 cents per pound, and the cost of manufacture is expected to be reduced considerably. Fields producing 28 bus. of wheat per acre without fertilizer had the yield raised to 55 bus. per acre by a combination of three fertilizers, of which cyanamid was one, 10 to 15 bus. of the increase being credited to the use of 179 lbs. of cyanamid per acre. Professor Felix Laurent of the Seine Inferieur found by experiment that the use of 22 lbs. of nitrogen in the form of cyanamid of calcium increased the yield of oats 7 bus. per acre. The process of manufacture of cyanamid was discovered in 1902 and has been used a comparatively short time, says U. S. Consul Mason of Paris. In America its manufacture has been begun with electric power by the American Cyanamid Co., at Niagara Falls. As the amount of nitrogen in the atmosphere is in excess of 100,000 tons per acre of land surface the available supply will last several million years.

The first or working story has an 18 ft. ceiling. The house is of crib construction, 2x8s being used up 8 ft., 2x6s the next 22 ft. and 2x4s the next



Floor Plans Turner-Hudnut Co.'s New Elevator at Pekin, Ill.



24 ft. It is covered with galvanized iron, and all roofs are covered with Carey Roofing. A man lift running between the twin legs carries operators up to garner floor. The plant was designed and erected in 72 days by O. P. Hiatt Co.

## CANADIAN SEED TESTS.

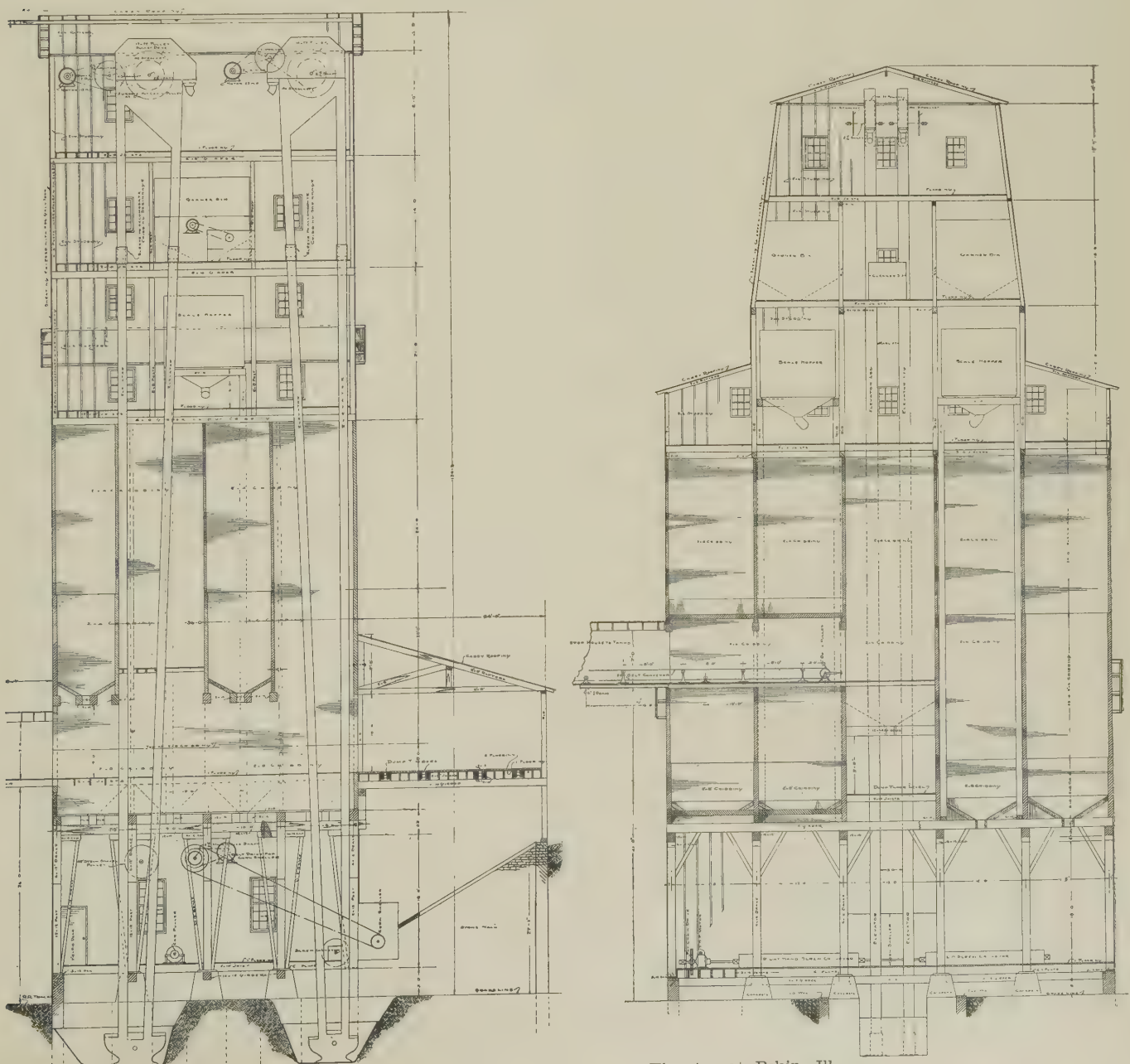
From Sept. 1, 1910, to March 31, 1911, 1,648 trade samples of red clover seed were tested for purity at the Ottawa seed laboratory. Of these 35 per cent graded No. 1; that is, contained not more than 5 seeds of the weeds named in the Seed Control Act per ounce and not more than 1 per cent of other useless or harmful seeds. Fifty-seven per cent, while not No. 1, were not prohibited from sale, and 8 per cent were prohibited, containing more than five seeds of the weeds named in the act per thousand of good seed, or 92 per ounce. During the same period last season 1,203 samples were tested. The standard for No. 1 seed last season was 12 seeds of the weeds named in the Act per ounce instead of five, as now. Last

season 35 per cent of the samples graded No. 1 and 12 per cent were prohibited. The general improvement in quality is clearly indicated by the fact that although the standard for No. 1 seed in regard to noxious weed seeds is over twice as high as last season, the same proportion graded No. 1, while there was a decrease of 4 per cent in the proportion prohibited from sale with the same standard. In alsike seed there is also an improvement, altho not quite so marked. From September to March 31 there were 748 samples of alsike seed tested for purity. Of these 16 per cent graded No. 1, 72 per cent were saleable under the Seed Control Act but not first quality, and 12 per cent containing over five seeds of the weeds named in the Act per thousand of good seed were prohibited from sale. During the same period last season 658 samples were tested. This season the standard for No. 1 seed is ten seeds of the weeds named in the Act per ounce, while last year it was 28 per ounce with not more than 1 per cent of other useless or harmful seeds. Last season 35 per cent of the alsike sam-

ples graded No. 1 and 14 per cent were prohibited. With the same standard there was a decrease of 2 per cent in the proportion of samples prohibited this year, while with a standard nearly three times as high for No. 1, the proportion of samples coming within that grade was nearly half as large.—Geo. H. Clark, seed commissioner of Canada.

The U. S. Supreme Court has advanced and set for hearing at the October term the elevation allowance cases of Interstate Commerce Commission v. Harry J. Diefenbaugh; F. H. Peavey & Co., and Union Pacific Railroad Co., involving the power of the commission to prohibit carriers from paying the allowance.

Electric interurban railway handling of freight will be extended by the recent purchase of the line between Kalamazoo and South Haven by the Michigan United Railways Co., giving a continuous electric railway across the state of Michigan from Detroit to Benton Harbor, where three boats will be run daily to Chicago.



Elevations Turner-Hudnut Co.'s New Elevator at Pekin, Ill.



## RETAINING CHECK MARKED "In Full" Closes Dispute.

The old principle that a payment by a debtor conditional "in full" must not be accepted by a creditor who intends collecting the full account in dispute, has been restated most explicitly in the recent case of *Seeds Grain & Hay Co. v. Conger*, by Judge Davis of the Supreme Court of Ohio.

Mr. Conger contracted with the Seeds Grain & Hay Co., of Columbus, O., to deliver 10,000 bus. of oats in August, 1907, at 37c a bu. On Aug. 17 he called plaintiff over the 'phone, gave notice that he could not fill the contract and desired to settle. His understanding of the conversation was that settlement would be made at 40c per bu.; and on the same day sent check for \$300 indorsed "Settlement in full August account" accompanied with a letter saying "Enclosed find my check for \$300, which, according to our talk over the 'phone today, is settlement in full for the 10,000 bus. of oats sold you May 29, 1907, for August shipment."

Plaintiff answered the same evening "Note telephone conversation with you this morning with reference to your sale of 10,000 bus. No. 3 white oats to us subject to Eastern weights and inspection, and your wish to settle that trade at 40 cents track your place, our bid of last night. This we can't consent to do now, for the reason we find ourselves short a few cars of oats, and have nothing with which we can replace this at the present time, but would be glad to buy the oats for you just as quickly as we get enough to replace the amount you sold us. We will not charge you anything for making the purchase, only the price we are obliged to pay for the oats. It seems to us, however, that you can get the matter closed up more advantageously if you hustle around and buy the oats at Mechanicsburg and ship them on the contract. If you want us to buy them in, while we are short ourselves, we will give you the first ten cars of oats we can buy subject to the same conditions on which your sale was made." Plaintiff received the check, drew the money on it, and kept it, but at the same time wrote a letter to the defendant, of the date of Aug. 19, acknowledging the receipt of the check for \$300 and stating, "which amount we place to your credit. In our conversation of Saturday we did not mean to close up that transaction as we wrote you on Saturday evening. We have bought about 6,000 or 7,000 bus. of oats today at 41 to 42 cents and are bidding 42 cents tonight, and just as soon as we get a sufficient amount to cover your 10,000 bus., will advise you about the cost of them, and I think you will want to adjust the matter as we wrote you on Saturday evening." The defendant made no answer to the plaintiff's letter of Aug. 19.

Plaintiff brot suit in the court of common pleas of Champaign County to recover \$700 and interest on the original contract. A judgment in favor of Mr. Conger was appealed to the circuit court and affirmed, and on appeal to the supreme court of the state again affirmed, the court holding that where there is a bona fide dispute over an unliquidated demand and the debtor tenders an amount less than the amount in dispute, upon the express condition that it shall be in full of the disputed claim, the creditor has but one alternative. He must accept the amount tendered upon the terms of the condition, unless the condition be

waived, or he must reject it entirely; or, if he has received the amount by check in a letter, he must return it.

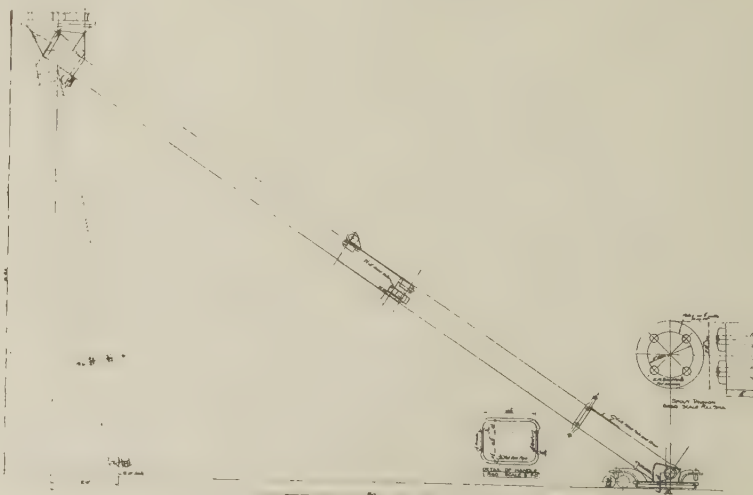
Failure of the debtor to reply to a letter from the creditor stating that the remittance placed to his credit does not close the account, does not amount to a waiver by the debtor of the conditions accompanying the tender.—93 N. E. 892.

Always be courteous to travelers. Most of them have a good knowledge of the trade and much valuable information can be obtained from them.

Careless railroad clerks sent to the Swan & Sibley Co., Belfast, Me., a mixed car of corn, grain and feed intended for the Osceola Mills at Clearfield, Pa. Rather than haul the car back that great distance the railroad officials asked the Swan & Sibley Co. to unload the car and sell the contents.

## MUNN TELESCOPING DISTRIBUTING Spout.

The Munn Telescoping Distributing Spout illustrated herewith was used throughout the new steel elevator of the Boston & Albany Railway at East Boston, Mass., last year, and no doubt will be used in many other plants before the year is over, because of the ease with which it can be handled. One man can readily move the spout in any direction, so as to spout to bin immediately beneath the hopper from which it receives the grain, or to any bin opening within a wide radius. The telescoping of the spout is accomplished by means anti-friction rollers running on tracks attached to the two sections of the spout where they overlap. It will never bind on account of settling of building or shrinkage of timbers. The lower end is supported on a trunnion carriage borne on 4-inch castors, which facilitates its rapid movement about the distributing floor. These spouts are made rectangular in cross section, and have a large capacity, because the grain from the hopper flows through the spout without changing direction, size or form of stream. They also reduce the cupola height necessary for a given radius of distribution from two to three feet, which effects a great economy in the construction of large cupolas. Where is it necessary to change the direction of grain flowing from the scale hopper, the flow is retarded and the daily handling capacity of the house materially reduced. This spout is the invention of E. A. Munn.



Munn's Telescoping Distributing Spout.

## REDUCING COST OF ELE- vator by Insurance Savings.

When one takes into consideration the intense competition prevailing at every letting of contract for a new elevator, it is difficult to understand why the engineers, contractors and builders do not give greater heed to their opportunities for reducing permanently the cost of the insurance on building and contents. The mutual fire insurance companies making a specialty of insuring grain elevators and contents have printed schedules which clearly stipulate the penalties and allowances in determining the rate for insurance on any plant.

Some owners of new elevators have expended several hundred dollars in efforts to overcome defects made by blundering barn builders who had totally ignored the fire hazard and the fire insurance schedule. They profited by spending the money, but it was all unnecessary, in fact in many cases it would have been cheaper for the contractors to have complied with the requirements of the insurance companies, rather than follow their own ideas in construction and arrangement.

During the last ten years many improvements have been made in the construction of grain elevators, so that today it is a far more desirable risk from the fire insurance standpoint than ever before. However, the large number of total loss fires are conclusive evidence that there is ample room for marked improvement. The reduction in fire hazards have been effected, however, not through the efforts of the builders, but because of the desire on the part of the grain elevator operator to reduce his fixed charges.

THE EDUCATIONAL work of the trade press and of the traveling fire insurance inspectors has acquainted many grain dealers with the fact that their insurance is costing them double what some others pay, because they have ignored the requirements of the fire insurance schedule. As the margin of profit in the business is further reduced, the grain elevator owner will strive more eagerly than ever to reduce the overhead charges, and this will compel builders to give greater attention to the fire hazards and the cost of insurance on the plant. It will not remain a matter of option with the elevator owner; the requirements of his business will make it necessary for him to eliminate all unnecessary hazards, and



to so arrange and equip his plant as to capture all the credits offered by the insurance companies for improving the non-combustible features of the plant.

SOME NEW ELEVATORS the insurance inspectors have declared to be veritable fire traps. It does not profit a man much if he saves \$300 or \$400 on the initial cost of his plant, and permits a builder to erect a house which will cost him double the amount for insurance it should during the first three years. No grain dealer who is about to erect a grain elevator can afford to ignore the requirements of the mutual insurance companies' schedule and especially if he expects to operate the plant for five years. If the builder is a man who has ignored the insurance problem, then no grain dealer can afford to grant him the contract until a mutual fire insurance inspector has been called in to look over the plans, and suggest where the fire hazards may be reduced.

Every grain dealer who has an eye to the future, studies the insurance schedule carefully himself, and watches for opportunities to reduce the rate on the plant to the lowest figure possible. By carefully collecting dirt, waste and rubbish, and placing barrels and buckets at convenient points, the rate may be somewhat reduced, but nothing in comparison with what it may be reduced through arrangement and the judicious use of fire-proof material.

WHILE ADMITTING that the builders have so far been kept busy, altho they have ignored the fire insurance schedules, I feel certain the time is near at hand when they must study assiduously every requirement of the mutual companies and strive earnestly to reduce the fire insurance cost on each plant to the minimum. The builder, who presents plans and specifications upon which the grain dealer must pay a rate of 5 or 6%, will stand little show of capturing the contract in competition with the builder who knows the schedule and can show the savings effected by heeding it. The cost of insurance alone will rob the bungling builder of the order.

I admit that the parsimony of the average country grain dealer forbids his paying a reasonable price for a set of good plans. If he can work someone for a cheap sketch or a second-hand set of plans, he will do it, and think he is money ahead, but it is just simply a mistaken idea he is laboring under. He does not appreciate the many expensive handicaps he is preparing to saddle upon his business in the effort to save \$50. He is first cousin to the handy man who carries the plans in his head, and draws on the neighboring lumberyard for the material it can best spare. The hired man is assistant foreman, and the house goes up with a wonderful celerity, but after it is up they wonder where in the world they are going to place the machinery, or how it will be possible to get grain out of the house after it is once spouted in.

ALTERATIONS in grain elevators are always extremely expensive, but many of them are sure to be made unless the plant is carefully planned by an experienced builder, and all the details worked out and specified before the work is commenced, but the dealer who starts out to build an elevator on a cheap plan invariably gets one that can get insurance only at a remarkable high rate. You could not expect it to be otherwise. Wood is becoming so expensive, little is saved over brick or cement in either the elevator or the power house, and if the

grain dealer will invest a few extra dollars in a non-combustible plant he will have a money saver so far as the insurance cost is concerned, that will be a source of perpetual delight and saving, and what is more, it will relieve him of worry as to fires.

NO DOUBT some builders and grain dealers will say that they never heard of a fire insurance schedule. I will grant all of this and insist that so much the greater necessity for both them and their builder getting a copy and committing it to memory. It will make them more money than any lumber price list ever studied. The time to study insurance problems is before the plant is planned. It is too expensive to consider this proposition after the elevator is completed. The contemplation of the saving which might have been effected is only an aggravation.

The grain dealer who has an up-to-date elevator takes great pride in keeping it clean and attractive, and his employees gladly join in the work, while the grain dealer who has a botch plant and knows it, will not give it much care, in fact he would just a little bit rather it would burn than not; because, he is disgusted with it, and finds its operation a continual irritation. Each time the insurance inspector looks over the poor plant, he expresses wonder at its not having burned before and this causes more dissatisfaction.

If you are going to get a new elevator, have it built right from a mechanical as well as an insurance standpoint. Then you will have no occasion to regret the possession of the house.

We cannot do without the Grain Dealers Journal.—Browne Grain Co., McKinney, Tex.

I find the Grain Dealers Journal very interesting and beneficial to the country grain man.—W. C. Wieters, Lanham, Neb.

At the Apr. 10 meeting of the National Industrial Traffic League its special committee on natural shrinkage and discrepancies in elevator weights was given further time in which to report, the negotiations not having been completed.

Congressman Stevens, of Minnesota, has introduced a bill into Congress which authorizes the Interstate Commerce Commission to prescribe a new form of B/L which fixes the responsibility for the delivery of commodities named in bills issued under the measure upon the railroads.

Telegrams relating to shipments sent by the shipper to the carrier may not be paid for by the latter, according to a ruling by the Interstate Commerce Commission, unless so provided in its published tariff; but the commission decides that a telegram sent by the carrier to the shipper, relating to his traffic, and his reply thereto, pertain to the business of the carrier, and may be sent at its expense.

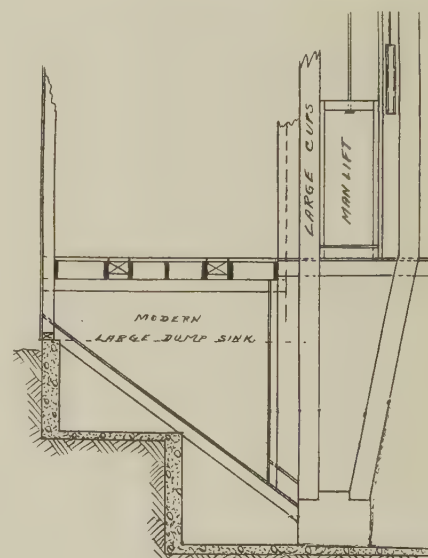
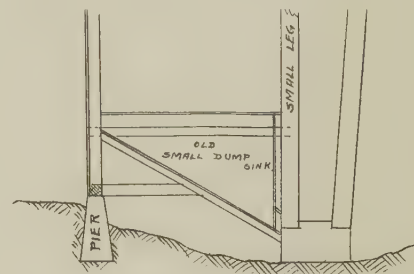
Where a shipper, without disclosing to a carrier the character or size of its shipment, orders a particular kind of equipment, loads its traffic thereon, and directs transportation of the shipment as loaded, it must pay the rate lawfully applicable to the class of equipment used, although a lower rate would have been available had the freight been loaded in another kind of car. Complaint dismissed.—Clinton Bridge & Iron Works v. C. B. & Q. R. R. Interstate Commerce Commission. 20 I. C. C. 416.

## A MODERN DUMP SINK.

BY P. F. M'ALLISTER.

Ever since the invention of the wagon dump, elevator operators with aching backs have looked upon the dump and the large self-cleaning sink as one of the real perfect successes in the mechanical equipment of the modern country elevator.

In the early days the dump sinks were so small many of them would not hold half a wagon load, and it became necessary to start up the elevator in order to take all the farmer wished to deposit in



Two Dump Sinks for Same Purpose, but Only One of which Does the Work.

the sink. Then too, the old time sink had such a small fall it was seldom self-cleaning. Progressive grain dealers who find themselves possessed of one of these old style plants, do not hesitate to overhaul, increase the pitch of the floor and enlarge it so that a number of loads of the same kind of grain can be received without starting up the elevator leg, and what is more, the floor is so steep and smooth even wet oats would not cling to it.

The floor underneath the sink is covered with cement and rodents kept out, so that if grain happens to be spilled in the basement, it can be saved without the necessity of running it through a cleaner, as it is a comparatively easy matter to keep the basement clean.

With the larger dump sink has come larger elevator cups and the non-choking leg, as well as a man-lift which carries the operator to the cupola without tire-some climbing thru dirt in the dark.

The Corn Products Refining Co. has purchased the business of the Novelty Candy Co. paying \$500,000 and will operate plants in Chicago, Jersey City, Pittsburgh and Memphis. The profits of the refining company for the past fiscal year were approximately \$3,500,000.



## NEW CUSTODIAN DEPARTMENT Chicago Board of Trade.

Under Sec. 22 of Rule IV adopted by the Chicago Board of Trade after heavy loss had been suffered last year by reason of grain leaving the reach of sellers or holder of documents before paid for, on the insolvency of the buyer, the directors of the Board of Trade have recently promulgated the following regulations for the new custodian department:

### REGULATIONS ESTABLISHING THE CUSTODIAN DEPARTMENT.

**A custodian** duly appointed by the board of directors, shall be placed at such private elevators or other buildings or places of private ownership as the custodian committee shall deem necessary and such custodian shall keep a daily record containing the official Board of Trade weights of all commodities dealt in under the rules of this Ass'n and weighed by the official Board of Trade weighmaster which commodities have been unloaded into or loaded out of such private elevators or other buildings, or places of private ownership.

**Certificate of Unloading.**—When any of such commodities shall be unloaded as above provided, the custodian shall promptly issue and deliver to the party for whose account the same is unloaded an official certificate as evidence of such unloading, except in cases where the commodity is loaded out in whole or in part on the same day as received, in which case the custodian shall procure the shipping receipt or B/L given for such property, and shall deliver the same to such party with a certificate for such quantity that is not loaded out—the two together representing the entire quantity unloaded.

**Surrender of Certificates.**—The custodian shall not allow the loading out of any commodity from such private elevators or other buildings or places of private ownership, except as provided in the second of these regulations, until the proprietor or manager thereof shall surrender to him for cancellation official certificates properly endorsed equal to the amount of the commodities to be loaded out and such commodities shall be weighed by the weighing department of the Board of Trade.

**Shrinkage.**—The custodian shall estimate daily the amount of shrinkage incidental to the handling, cleaning or clipping of grain, also of any variation between the "in" and the "out" weight, and report same at once to the proprietors or managers; and it shall be their duty to surrender to the custodian certificates for cancellation sufficient to cover same. It further shall be the duty of the proprietors or managers to keep in store at all times, in excess of all outstanding certificates, a quantity equal to at least 3 per cent of the total quantity in store represented by outstanding certificates, in addition to the estimated amount of shrinkage, as hereinbefore provided.

In such places where the commodities herein described are manufactured into products, or the original commodity otherwise changed in form, the custodian may permit the proprietors or managers thereof to use such commodities without the surrender of custodian certificates for the same whenever the said proprietors or managers shall furnish to said custodian written evidence of the consent to such use by the party for whose account the said commodities were unloaded; provided, however, that the custodian shall not issue any certificate for commodities used under such circumstances.

**Weighing Up.**—It shall be the duty of the custodian to require the official weighing of all commodities in each and every private elevator, or other building, or place of private ownership hereinbefore described, by the Board of Trade weighmaster as often as in his judgment may be needful to enable him to accurately determine the quantity of commodities stored in such elevators, or other buildings, or places of private ownership, for the purpose of verifying the correctness of his outstanding certificates; or the custodian committee may at any time in the exercise of its discretion, order the weighing of such commodities.

**Insurance.**—Whenever, in the judgment of the custodian or of the custodian committee it shall be deemed advisable, the proprietor, or manager, of such private elevators, other buildings or places of private ownership, shall be required to increase his ordinary line of fire insurance upon such private elevators, other buildings or places of private ownership and the contents thereof for which custodian certificates have not been surrendered for cancellation,

to such an amount as may be determined by the committee or the custodian; and such proprietor, or manager, shall allow an inspection of the amount and character of said insurance carried by such proprietor, or manager, whenever requested by the custodian committee or by the custodian.

**Grain of Different Owners.**—Whenever such a course shall, in the judgment of the custodian committee, be deemed necessary, it is hereby empowered to impose upon such proprietors or managers the duty of preserving the identity of all grain thereafter unloaded into such private elevators, or other buildings, or places of private ownership; or in lieu thereof, the adoption of such measure or measures as in the judgment of the custodian committee may be adequate to protect the parties for whose accounts the commodities aforesaid were unloaded.

**Seller May Retain Certificate till Payment.**—The buyers of commodities sold and delivered as hereinbefore provided shall tender in payment certified checks whenever the party for whose account such commodities have been unloaded shall give reasonable notice of his intention to demand the same and the latter may retain in his possession the custodian's certificate until such certified check is thus tendered.

**Operation to Cease in Absence of Custodian.**—It shall be the duty of the custodian at such private elevator or other building or place of private ownership at the close of each day to seal the engine, shipping bins or other bins, or to adopt any other measures which in the judgment of himself or the custodian committee are necessary to prevent the removal of grain or other commodities from such private elevator or other building or place of private ownership during the absence of such custodian.

**Bonds.**—All such commodities unloaded as aforesaid shall be held in such private elevator or other building or place of private ownership and shall not be released therefrom except in accordance with the rules of this Ass'n governing the custodian department, but the custodian, his assistants or subordinates shall not be liable in their official bonds or otherwise for any losses unless such losses are directly attributable to the negligence or misfeasance of said custodian, his assistants or subordinates in issuing certificates for commodities not in fact unloaded or in allowing, during the hours when such private elevator or other building or place of private ownership is open for business, such commodities to

be loaded out without requiring the surrender of official certificates for the same and nothing herein or any custom or private agreement to the contrary shall be construed to extend such liability; provided, however, that the Board of Trade shall in no case be liable for any losses except to the extent that such losses are due to its failure to keep in force a good and reasonable bond for the honesty and fidelity of said custodian, his assistants or subordinates.

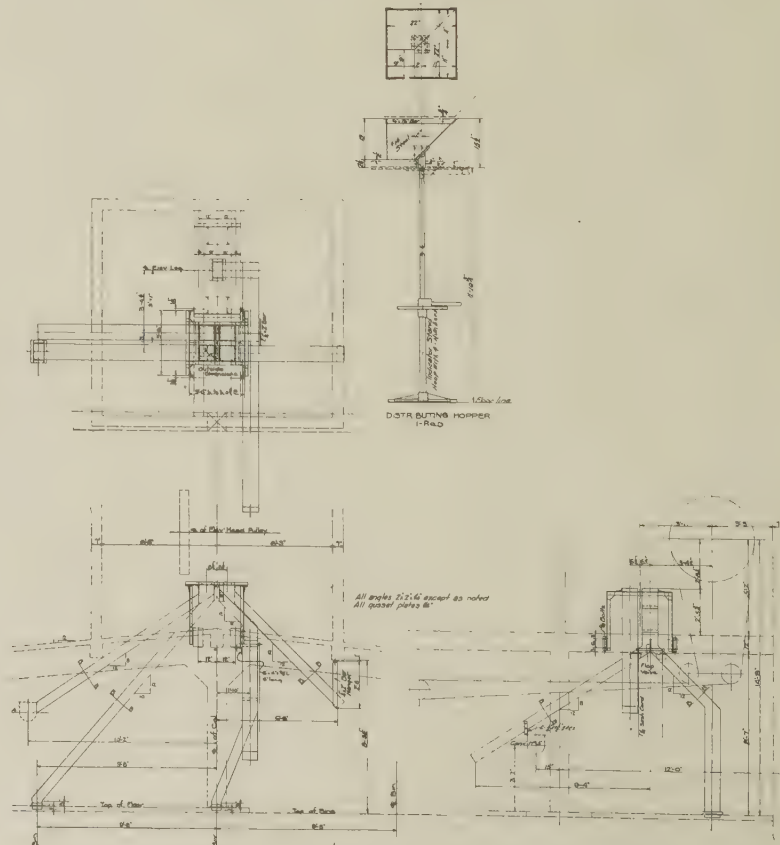
### OFFICIAL CERTIFICATE OF THE CUSTODIAN DEPARTMENT OF THE BOARD OF TRADE OF THE CITY OF CHICAGO.

No. ....  
Chicago, Ill., ..... 191..  
I hereby certify that this day at ..... under the supervision of this department ..... pounds of ..... were unloaded from ..... Car No. .... which will not be loaded out except upon surrender of this receipt for cancellation as provided in the rules of the Board of Trade of Chicago governing the custodian department.

## NEW USE FOR CORN SHELLERS.

The Western Corn Sheller has always been recognized as a shelling success when it comes to removing corn from cobs. Altho it has never been tried for removing corn from toes, still it has proved remarkably successful in removing toe-nails from pig's feet, in fact Morris & Co., packers of Kansas City, Kas., installed a No. 4 Western Sheller especially for this purpose. We give this information for the benefit of corn sheller owners who have not enough ear corn to keep their shellers busy.

The crop improvements and grain markets committee appointed by the Millers National Federation in Chicago, Apr. 14, is composed of C. T. Ballard, Louisville, Ky.; Chris Bernet, St. Louis; W. L. Phelps, Chicago; J. W. Burk, Springfield, Mo.; and J. S. Pillsbury of Minneapolis.



Distributing Hopper in New Concrete Elevator at Menasha, Wis.



## WALTER BROS.' NEW CON- crete Elevator at Menasha, Wis.

Concrete has proved so satisfactory in the construction of large terminal grain storehouses, it is but natural that country grain dealers, who expect to hold large quantities of grain should use concrete in order to insure themselves against fire loss. While the first cost of the concrete grain storehouse is greater than wood, the 10-year cost is much less, because the cost of insurance on plant and grain is merely nominal.

A small, but complete concrete storehouse is now being erected for the Walter Bros. Brewing Co., at Menasha, Wis., by the Witherspoon-Englar Co. of Chicago. The new concrete elevator, which

will have one leg equipped with 9x5½ inch buckets incased in a steel casing, is being built adjacent to the company's old elevator.

The new plant consisting of 4 large cylindrical tanks and the 5 interstices, will give storage room for approximately 57,000 bus. It will be approximately 39 ft. square, and rise about 100 ft. above the basement story. It will be built of reinforced concrete throughout, and all of its bins will be hopped. The roof will be covered with tar, felt and gravel. Windows in basement and cupola will be covered with wire glass in metal frames.

Grain will be dumped from wagons into concrete receiving hopper and elevated to pent house, where it may be spouted direct to any of 4 different bins, or to a 10-inch screw conveyor, which will carry

the grain to cross conveyors, which in turn will deliver it to any of the other bins.

The grain is taken from the elevator head by means of a specially designed rotary distributing hopper, which is operated from an indicator stand on the floor above the bins. This distributing hopper is so arranged as to insure against the mixing of grain, and to secure the rapid fall of the grain to the bin desired without the necessity of building pent house high above the bins.

A 7½ H. P. induction motor in cupola will operate the leg, the screw conveyors above the bins and also a 10-inch screw conveyor, which will bring grain from old elevator to bin floor of new whence the other screw conveyors will take it to any of the other bins desired.

Grain will be removed from the bins by means of 9-inch screw conveyors in basement, one of which runs thru a concrete tunnel connecting new house with old elevator. This conveyor will discharge to the boot of either of two legs in old house. Conveyors will be operated by a 5 H. P. induction motor. A heavy concrete foundation supports the structure at many points. The basement ceiling is 6 ft. 6 in. so it will be an easy matter to keep the plant clean and free from dirt and rodents.

## CROP IMPROVEMENT WORK.

Bert Ball, sec'y of the crop improvement committee of the Council of North American Grain Exchanges, is booked for at least fifteen addresses within the next two months on crop improvement work. He has moved his offices into the Board of Trade at Chicago.

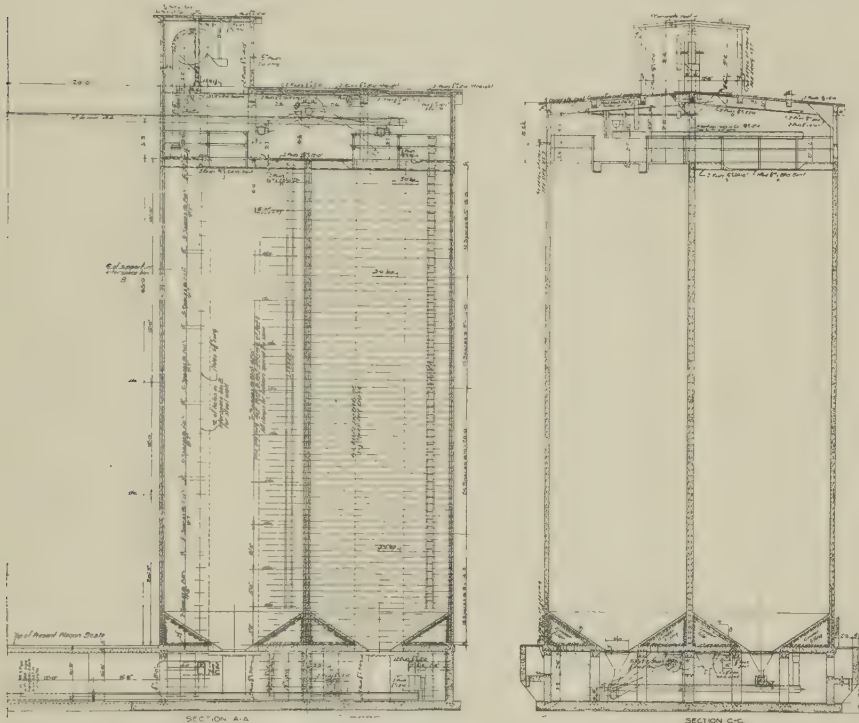
The Ass'n of Railroad Agricultural Agents met in Detroit, May 9, to discuss ways and means of promoting their work. The railroads are now exchanging trains equipped for special agricultural work.

Bert Ball of the Grain Improvement Publicity Comite appeared before the Ass'n of Railroad Agri. Agents in Detroit, Mich., May 9, in behalf of the allied interests working for crop improvement.

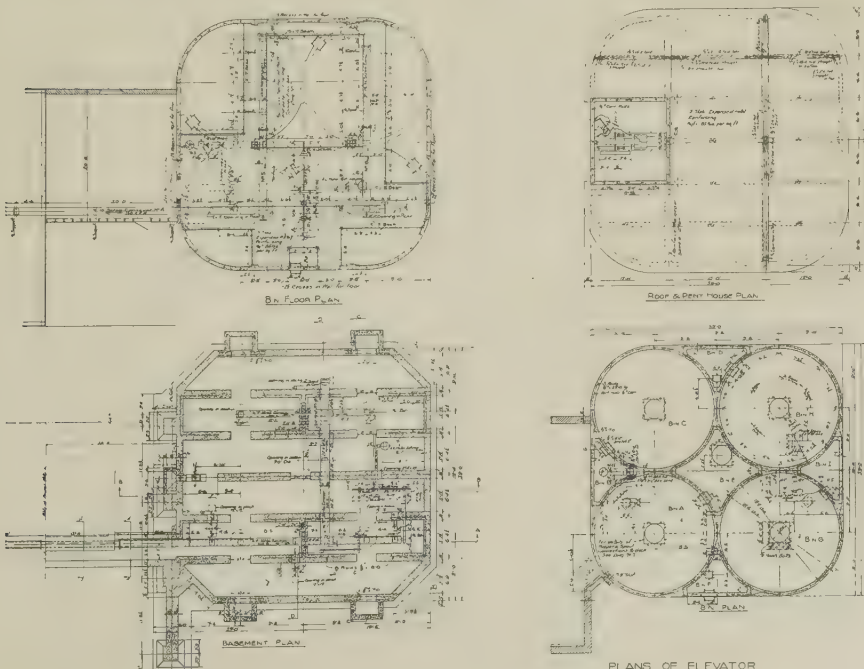
Prof. R. L. Hatch of Wisconsin Agri. College has a new scheme for running special excursions from specified points to the college, good for one to ten days. The purpose being to serve the farmers of a locality with the information especially needed in their section.

Dean F. B. Mumford of the Missouri Agri. College is preparing to equip cars with agricultural exhibits and data suitable for demonstration work, these cars to be moved by the railroads to the different county experiment stations at their institutes. The result will be that a short course will be served the farmers of each country without their traveling to the school.

The Iowa farmer boy and the girl who win the state sweepstakes for best acre of corn will be given a free trip to Washington. Seven congressmen in the Iowa 10th Congressional District have joined in an offer of prizes to boys competing in the contest of the Iowa Boys and Girls Club, of the Extension Department, including as first prize a free ticket to Washington and return including Pullman ticket and \$25 expense money; second prize, tickets to Washington and return; third prize, \$50 cash. The Wm. Galloway Co. offers as special prizes free trips to Washington for the mother of the boy and the mother of the girl who wins the state-wide Washington trip prizes.



Sectional Views of New Concrete Elevator Being Built at Menasha, Wis.



Plans of New Concrete Elevator Being Built at Menasha, Wis.



## ELECTRIC MOTOR DRIVE for Elevator Machinery.

BY P. B. BOTTLE.

The modern progressive elevator man realizes that first cost of building and equipments should not be the criterion upon which to base his plans. He realizes that it is necessary to construct his building and equip it in such a manner as to secure maximum results from the power and labor invested in the operation of the plant.

Power and labor are constant features in the operation of any sort of machinery. A loss of power or the waste of labor due to inconvenient arrangement of machinery is often sufficient to counterbalance the savings made by better methods and machinery in a short time.

Motor drive for grain elevators is economical because it eliminates power loss due to friction in line shaft drive. It eliminates the danger due to explosions caused by hot bearings and in many cases reduces greatly the amount of structural material entering into the construction of the building, because the electrically driven plant does not need the heavy structural members necessary to support and maintain in good alignment the line shaft required where power is transmitted by belt and shaft or by ropes and shaft.

Motor driven machines are self-contained and can be arranged and rearranged to suit convenience or to suit the requirements of a growing business. Thus portable machines can be used and operated economically at any location in the elevator because of the ease with which the motor can be adapted and the convenience with which power can be taken from any convenient set of wires, and transmitted through, around, above or below any obstructions.

In determining upon the installation of electrical equipment in the grain elevator, the prospective builder finds two systems available. One is the alternating current system which is frequently available even for elevators located in the outskirts of the principal industrial centers. Alternating current is especially suited to long distance transmission because it can be transmitted at high voltage (or pressure). The power losses in transmitting electricity a considerable distance are far less where the voltage is high than where the voltage is low. The disadvantage of alternating current systems lies in the fact that ordinary alternating current motors are not able to start up with full load on the machine. It is necessary to start the driven machine empty or to arrange a system of clutches between the motor and the driven machine, so that the machine can be operated by the motor when the latter comes up to speed.

In many instances the elevator man will find it necessary to install his own electric power plant to supply current for operating his machines and for illuminating the elevator and surrounding yards. In such instances it is far better to install direct current equipments as they are cheaper in first cost and the transmission system is far simpler. Direct current motors have the advantage of being able to start up under load from rest. They can be operated at various speeds in case it is desired to alter the operating speed of the driven machine.

For operation in dusty places where it may be desired to protect the motor or to exclude the elevator dust, the motor can

be enclosed with protecting iron covers or installed in a little frame work covered with burlap to keep out the dust.

The application of electrical machinery in any line of work is a matter which necessitates the attention of a skilled engineer, who should be competent to select the system of electrical transmission best suited to the requirements of the individual case. The electrical manufacturing companies employ engineers who specialize on this line of work. One can also find consulting electrical engineers.

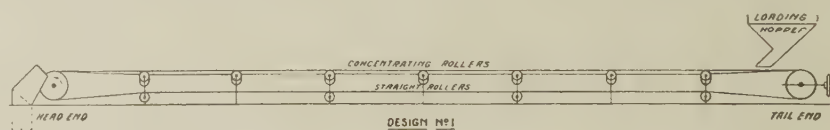
The trade journal is fulfilling its proper function in welcoming opinion from all sides. In that way views are sifted and theories tested in the crucible of criticism, a process that takes away all the dross, leaving behind only the bright metal of pure truth.—The Trade Register.

The estimates of the Canadian wheat crop are based on returns by correspondents, and while tendency to exaggeration is carefully guarded against, at the same time the figures published are only estimates and have not the authority of actual statistics. Such statistics will be available upon completion of the forthcoming census on June 1, 1911, when records of area and yield will be taken for every farm throughout Canada.—Archibald Blue, chief of the Census and Statistics Office.

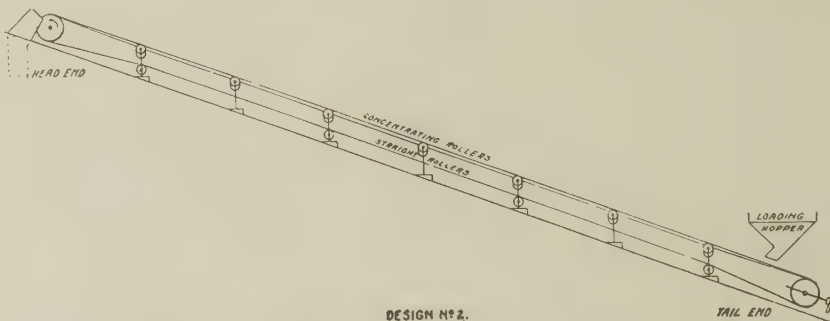
## CONVEYING GRAIN WITH BELTS.

Way back in the 18th Century, during the apprentice days of Oliver Evans, the only means used by millers and grain dealers for carrying grain from one point to another about a plant was sacks on the backs of husky youths, for even the two-wheeled truck was then unknown. Oliver, tiring of the task of carrying heavy bags of grain up a steep ladder to the hopper, designed a belt with cups to carry his load up piece-meal. Ever since his day, American engineers have been busy improving on the 18th Century Grain Conveyor. The elevator leg, the horizontal conveyor of different types, which found its perfection in the Helicoid Screw Conveyor, was long since supplemented by the belt conveyors which are designed for transferring large quantities of grain rapidly. For many years the use of the belt conveyor was confined principally to the large terminal elevators, and especially to the large grain elevators at seaports, where they are used for transporting grain from cars to the elevator and thence to ships.

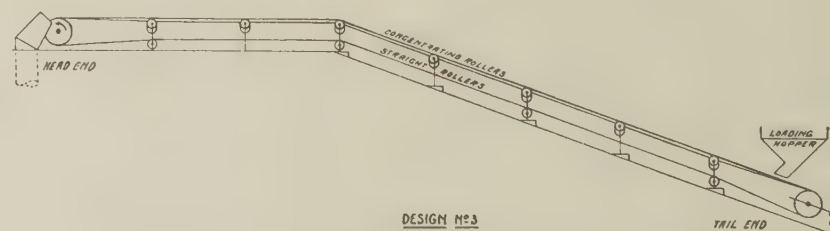
Of late years the belt conveyor is gradually working its way into the smaller elevators, and especially where rapid handling without abrasion is desired. In Pacific coast grain warehouses belt con-



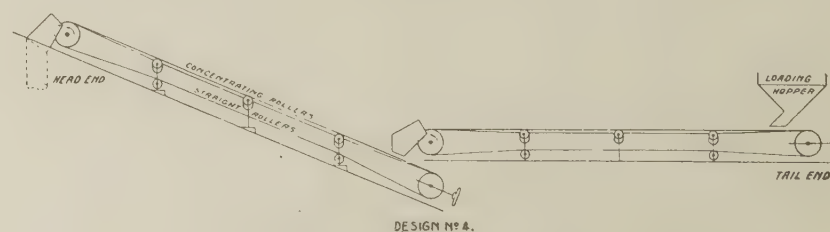
No. 1—Level conveyor using either flat or troughed belt. Receives material at one end and discharges at the other.



No. 2—Inclined conveyor using either flat or troughed belt. Receives material at one end and discharges at the other.



No. 3—Combination inclined and straight conveyor using flat or troughed belt.



No. 4—Showing horizontal and inclined conveyors, each being independent of the other. Adapted for either flat or troughed belts.



veyors are used for carrying sacked grain. These conveyors are simple in construction, positive in action, and can be depended upon to effect a reduction in the cost of conveying grain to minimum figure. As is shown in the different illustrations reproduced herewith, for which we are indebted to the Union Iron Works, the number of wearing parts of the belt conveyor are few, consequently loss of power due to friction is infinitesimal.

The adaptability of the belt conveyor to different positions and conditions are such that make it suitable for many complex arrangements, which would not permit of grain being carried by any other means except at greatly increased expense.

Another point in favor of the belt conveyor is that both runs of the belt may be used for carrying grain. The belt is independent of the carriers, and can be loaded at any point, by means of automatic feeders or loading hoppers. By means of automatic traveling trippers, the grain can be discharged from the belt conveyor at any point desired, and the discharge changed to a different bin on either side of belt, as may suit the convenience or wishes of the operator. Many belt conveyors are installed in a way that will permit of their direction being reversed. By means of converging roll carriers, the belt may be troughed, or if operator prefers, it may be run flat.

In designing a belt conveyor system, it is essential that special care be given to every detail, so as to secure the highest conveyor efficiency and the lowest frictional loss. Most of the roll carriers now installed are provided with self-oiling

bearings or grease cups, so that lubrication is positive and copious at all times.

The service and wear of the belt conveyor depends largely upon the care with which it is installed. The experienced engineer will not undertake the impossible, nor is he likely to install a system which could not be expected to give practical results. However, elevator builders have leaned to the side of caution in the use of conveyor belts, and attempted only to install that which they knew would be successful. It is generally admitted that the conveyor belt has a much wider use in the transporting of grain than is found in our American elevator, but rather than suffer annoyance and trouble, the American engineers have stuck closely to what they knew would prove successful, and seldom has the belt conveyor failed to do all that was expected of it. However, some engineers are beginning to feel that the belt conveyor has been slighted, and possibilities overlooked. Its wider use may be looked for.

Eduardo Ramirez, whose extradition to Mexico recently was granted by the U. S. Supreme Court, is alleged to have been guilty of frauds upon the Mexican customs aggregating \$11,944 by forgery of certificates of carloads of wheat exported from Nogales, Ariz., to Nogales, Mex.

A millers' industrial exposition will be held in connection with the convention of the Fraternity of Operative Millers of America which will be held at Detroit, June 5 to 10. Exhibits will be made by ten experiment stations of the United States and Canada and over thirty machinery and mill building concerns.

## NEW TRANSIT RULE IN Chicago District.

Effective June 1 grain will be handled in and out of Chicago district stop-over points under new rules, the principal changes being an extension of the time in transit from 6 mos. to a year, the requirement of reports of cancellation of tonnage, and a certificate from the shipper, as follows:

### CANCELLATION.

Rule 2. Transit houses shall make a daily report to the Joint Rate Inspection Bureau of all grain handled as provided in Rule 1, and surrender for cancellation inbound freight bills to the end that at no time shall there be on hand live freight bills representing grain not actually in possession of the transit house.

At the end of each calendar month transit houses shall also make report of the invisible loss, if any, and surrender for cancellation freight bills to cover the tonnage. It is understood that the invisible loss shall be determined as accurately as possible for the purposes of this rule, it being impossible to determine the actual invisible loss until such time as all of the grain in the transit house is weighed.

Whenever the grain in the transit house is weighed a report of such actual weight shall be furnished the Inspection Bureau, and bills in excess of grain on hand, if any, shall be cancelled.

### TIME ALLOWED.

Rule 4. The period of time allowed for transit privileges will be twelve (12) months after receipt of the grain at the transit house. When such time limit has been exceeded the local rate to and from the transit point will be charged. In case of transfer from one transit house to another, the time limit will be counted from the time of receipt at the first transit house.

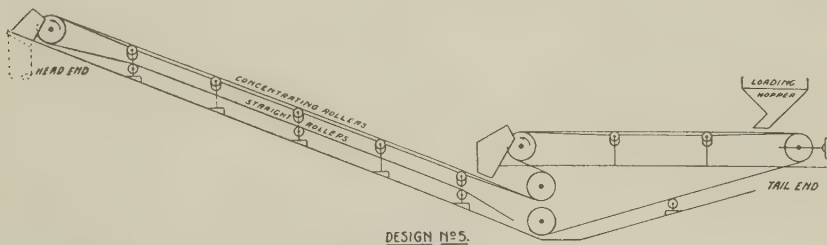
### SHIPPER'S CERTIFICATE.

Tender is hereby made to the ..... of ..... (in-bound carrier) ..... freight bills as listed above for the purpose of securing reshipping privilege and transit rate on the commodity covered thereby, and which ..... further declare to be the freight bill ..... legally representative of the property offered for reshipment. This tender is made with a guarantee on ..... part that such privilege may legally be given under the rules of said railway, as published in its Transit Circular No. .... I. C. C. No. .... issued ..... together with the ruling and interpretations of the Interstate Commerce Commission, as per their Opinion No. 1247, May 3, 1910, all of which have been read and with which ..... familiar.

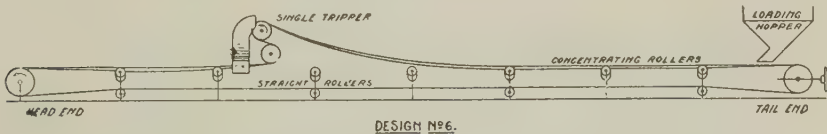
(Signature of shipper.)

On the reverse side of the shipping directions blank will be printed an extract from Opinion No. 1247 of the Interstate Commerce Commission, which provides that "It is not practicable to require that the identity of each carload of grain, lumber, salt, etc., be preserved, but, in the opinion of the Commission, it is not possible, to lawfully substitute at the transit point any commodity of a different kind from that which has moved into such transit point under a transit rate or rule. That is to say, oats or the products of oats may not be substituted for corn, corn or the products of corn for wheat, nor wheat or the products of wheat for barley, nor may hard wheat, soft wheat or spring wheat be substituted either for the other.

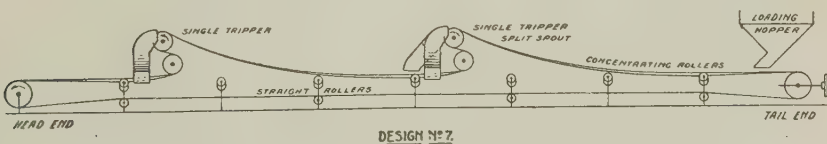
A bill has been introduced into the House of Representatives by Representative Macon of Arkansas which prohibits the interstate buying or selling or otherwise dealing in futures in agricultural products. The bill also prohibits the delivery, receipt or transmission of interstate or foreign messages sent by telegraph, telephone or mail if such messages are in connection with future trades in agricultural products.



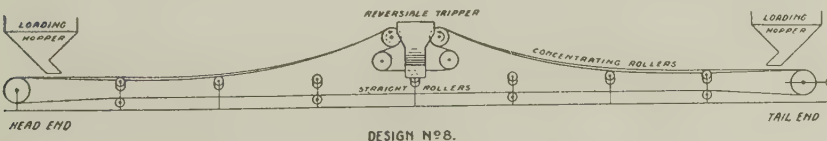
No. 5—Combination straight and inclined conveyor using either flat or troughed belts. Material may be discharged on the inclined conveyor through a spout, set in proper relation to the idlers.



No. 6—Level conveyor using either flat or troughed belt. Receives material at one end and discharges by means of tripper at any intermediate point.



No. 7—Level conveyor using either flat or troughed belt. Receives material at one end and discharges at fixed intermediate points by means of two trippers, one with special spout for returning material to the belt if desired.



No. 8—Receives material at either end and discharges same by means of a four-pulley reversible tripper at any intermediate point.



## CHANGES IN GRAIN RATES.

As shown by tariffs recently filed with the interstate commerce commission the carriers have made the following changes in rates:

Beginning May 8, a rate of 62½c on barley from California to Chicago via Missouri River crossings and Minneapolis became effective.

After May 20 the Ill. Cent. rate on eltr. dust, oat clippings and grain screenings from Cairo, Ill. to Peoria and Pekin, Ill., will be 8c.

ICC A311 shows the rates of the Ia. Cent. on corn, oats, rye and barley from Ia. Cent. stations to Memphis, Tenn.; effective May 11.

The Pennsylvania has announced the reduction to 3.7c of the rate on ex-lake wheat for export from Buffalo to Baltimore; effective May 1.

Beginning May 19, the M. & St. L. rate on wheat from St. Paul, Minneapolis and Minnesota Transfer, Minn., to Mexico, Mo., will be 16c.

Rules and regulations of the Tenn. Cent. governing the elevation of grain at Nashville are given by that road in ICC A264; effective May 22.

Rules governing the elevation of grain at Louisville, Ky., and Cincinnati, O., are canceled by Sup 1 to ICC 7590 issued by the Sou Rv.; effective May 29.

The B. & O. rate on wheat and barley from West Fairport, O., ex-lake to Baltimore, Md., for export, wheat, 3.7c; barley, 4.55c; effective May 24.

C. G. W. tariff ICC 4633, sup 9, quotes rates on grain, cotton seed cake, hay and seeds from Minneapolis, Red Wing and Winona to St. Louis, Mo.; effective May 28.

The B. & O. in Sup 8 to ICC 8959 gives the rate on grain, and products from Chicago and South Chicago, Ill., and Whiting and Indiana Harbor, Ind., to eastern cities; in effect May 17.

Rates are given by the C. & N. W. in Sup 34 to ICC 6222 on grain between stations in Illinois and Wisconsin, effective in Illinois, April 20; Wisconsin and interstate May 22.

A rate of 7c will be charged by the Vandalia on elevator dust, oat clippings, oat hulls and grain screenings from Indianapolis, Ind., to Peoria, Ill., from Terre Haute, Ind., to South Bartonville, Ill., 6c; in effect May 3.

The rate charged by the Wabash on grain and products from Chicago, East Hannibal and East St. Louis, Ill., and St. Louis, Mo., to eastern and interior points is given by that road in ICC 2707, effective May 8.

Sup. 1 to ICC A368, issued by the St. Joe & G. I. shows the charge on grain and products between Kansas City and St. Joseph, Mo., and St. Joe & G. I. stations; also between St. Joe & G. I. stations; state, April 6; interstate, May 10.

The Erie has issued sup. 2 to ICC A-4257 naming rates on grain and grain products from Chicago, Ill., Hammond and Crown Point, Ind., to points in Indiana, Michigan, Ohio, West Virginia, Kentucky, New York, and Pennsylvania, effective Apr. 25.

The Missouri Pacific has announced that, effective May 10, the rate on corn, corn meal, wheat and articles taking the same rates to Cape Girardeau, Mo., from East St. Louis and Bixby, Ill., 9c; from St. Louis and Carondelet, Mo., 8c.

ICC GO 3096 has been issued by the P. R. R. relating to elevator and other charges made by Girard Point Storage Co. on grain in their elevator at Philadelphia, Pa.; effective May 15.

The Nor. Pac., beginning May 22, will set a rate of 7½c on rye, corn, barley and oats from Duluth, Minn., and Superior, Wis., to Chicago, Milwaukee and Manitowoc, Wis.

The Wabash, in ICC 2713, gives the re-shipping rates on grain from Chicago, East St. Louis, Ill., and St. Louis, Mo., to Missouri river points and Wabash stations in Mo.; effective May 15.

The C. G. W. in sup. 13 to ICC 4615, effective Apr. 29, quotes rates from Kansas City, Atchison, Leavenworth, Omaha and Council Bluffs to Waterloo, Cedar Falls, Tripoli and Bremer, Ia., of 9½c on corn, oats, rye and barley; 10½c on wheat, and 11½c on flaxseed and pop corn.

Effective May 1 the C. P. & St. L. will charge 1c per 100 lbs. on grain milled or stopped in transit at Lincoln, Ill., from stations in Illinois on the Alton to points in Indiana, Kentucky, Michigan and Ohio. At Springfield, Ill., the charge will be ½c on grain from C. P. & St. L. stations to Chicago.

An elevation allowance of ¾c per 100 lbs. to the operator of the elevator providing no allowance has been made at the same point on the same grain by some other railroad company will be made effective May 15 by the Chicago Great Western at St. Joseph, Mo., on grain and seeds shipped from points on the C. G. W. to points on At. T. & S. F.; C. R. I. & P.; K. C. S. and some other lines, via Kansas City, Mo., under ICC 4822.

The rate of the Iowa Central after May 11 on corn, oats, rye and barley to Memphis, Tenn., from Albert Lea, Glenville, Gordonsville, Minn., 21c; Northwood, Kenset, Manley, Ia., 20c; Newton, Ia., 18½c; Grinnell, Ia., 17½c. After May 15, from Council Bluffs, Ia., Omaha and South Omaha, Neb. (on shipments originating beyond), to Cairo and Mounds, Ill., when destined to southern and southeastern points, wheat, 11c; barley, corn, oats and rye, 10c.

Charges made by the St. L. & S. F. on grain and grain products from Kansas City, Mo., and Rosedale, Kan. (on traffic originating beyond) to Memphis, Tenn., are given in ICC 6121; in effect June 24.

Charges made by the N. Y. C. & H. R. on grain and products from stations on the Mohawk, Western, Rochester and Buffalo divisions to Delaware & East stations are given in ICC B13889; effective May 15.

According to Sup 1 to ICC A297 which becomes effective May 15 the C. & A. rate on corn, oats, barley and rye between Hannibal, Mo., and Chicago, Ill., will be 10c; to Peoria, 8c.

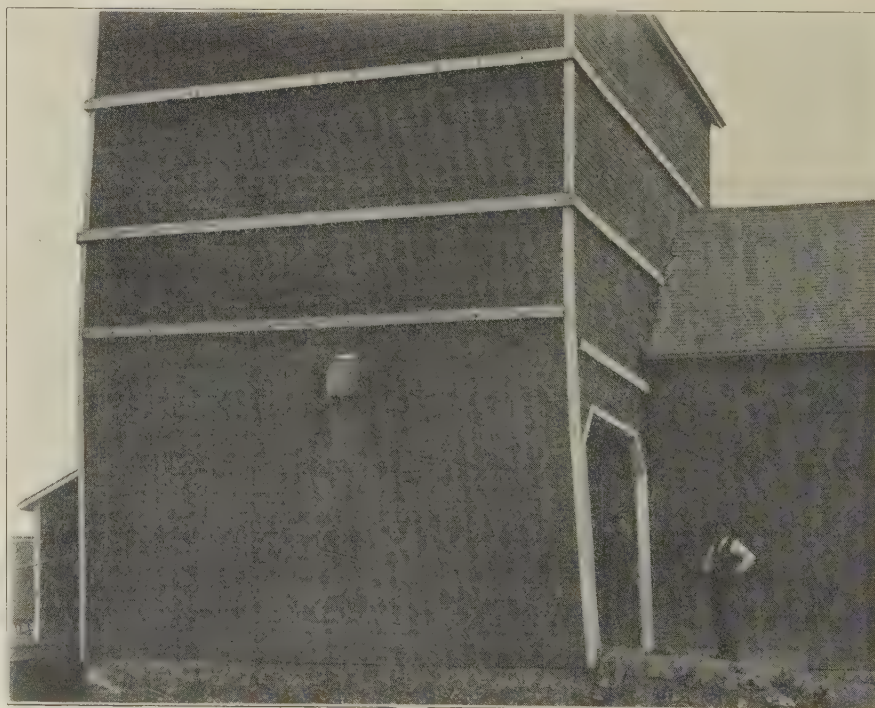
Rates on grain, grain products, no grade corn, malt, and by-products of breweries, distilleries and glucose factories are given by the C. I. & L. in sup. 4 to ICC 2534, effective May 12, from Chicago and Hammond, Ind., to eastern points.

The Wabash has set a rate on grain to Hannibal, Mo., when destined to points in Arkansas, Louisiana, New Mexico, Oklahoma and Texas from Bluffs, Naples and Valley City, Ill. of 6c.; Chicago and rate points, 8c.; effective May 15.

The Soo has announced that beginning May 11, the rate on corn, barley, oats, rye, wheat and millet seed between St. Paul, Minneapolis, Minnesota Transfer, Duluth, Minn., and Superior, Wis., and Ft. Clark, Deapolis, N. D., as 24c; Stanton, Mannheim, Expansion and South Berthold, N. D., 27½c.

The Burlington, in ICC 10254, gives the rate on grain and products from its stations and connections in Illinois; also Mississippi River points, Dubuque, Ia., to Louisiana, Mo., to Brookport, Cairo, Metropolis, Mounds, Ill., Evansville, Ind., Cincinnati, O., Paducah and Louisville, Ky.; in effect, May 4.

The Mobile & Ohio in Sup. 4 to ICC A725 gives rules governing the absorption of switching and drayage charges and allowances for grain doors and elevation or transfer of grain at Ill. points and switching between St. Louis, East St. Louis switching limits and rules and regulations governing; in effect, May 5.



Elevator at Shattuck, Okla., After the Cyclone Struck It.



The C. & A. has set a rate effective June 3 on grain from Rutland and To-luca, Ill., to Cairo, Ill., of 9c; Jeffersonville, New Albany, Ind., Louisville, Ky., 11c; Cincinnati, O., 12c.

Sup 34 to ICC 6815 as issued by the C. & N. W. shows the rates on grain between stations in Ill., Wis., Mich., Ia., Minn. and stations in Neb., Wyo. and S. D.; in effect May 15.

Mo. Pac. charges on grain and products between stations in Kan., Neb., Ia. and Mo. and points in Colo., Kan., Mo., Neb. and Okla. are given in Sup 12 to ICC A1057; effective May 20.

Sup 7 to ICC A1403 gives the charges of the Mo. Pac. on grain and products between stations in Mo., Ill. and Minn. and Colo., Kan., Mo., Neb. and Okla. points; also between Mo. points; in effect May 20.

The Ia. Cent. rate, according to ICC A313, on corn, oats, rye and barley from Des Moines, Ia., to East St. Louis, Ill., is 8c; Cairo, Ill., 10c (destined to points in southeastern and Carolinas territory); in effect, May 16.

Sup 5 to ICC 6574, issued by the B. & O. S. W. gives the rate on grain and products from Cincinnati, O., Louisville, Ky., St. Louis, Mo., and other of its stations to eastern and interior points; effective May 24.

The C. & A., on April 21, cancelled the local rates on grain from Peoria and Pekin, Ill., to trunk line territory. Rates on the New York basis of 17.5 per 100 lbs., domestic and 14.5 per 100 lbs., export, are published from Peoria and Pekin, Ill., on shipments originating at Illinois points, such rates applying via Chicago with transit privileges.

Rates charged by the Ill. Cent. on grain and products from Council Bluffs, Ia., Omaha and South Omaha, Neb., to Ill. Cent. stations in Ill., Wis., Ia. and Minn., also St. Louis, Mo., and Paducah, Ky. and Ind. Sou. stations in Ill. are given in Sup 6 to ICC A7786; in effect May 15.

In Sup 5 to ICC 4794 the C. G. W. gives rates on grain between Chicago and points on the Chi., Milw. & Gary Ry.; and from Milwaukee, Racine and Manitowoc to points on the C. G. W.; effective May 26.

The C. M. & St. P. will make a rate of 23½c on wheat from St. Paul, Minneapolis and Minnesota Transfer, Minn. (Applying only on shipments originating beyond) to Port Arthur, Tex.; effective May 17.

Sup 44 to ICC 666 issued by the W. T. L. Com., gives the rate on grain and products from stations in Ill., Ia. and Eastern Mississippi river crossings to points in middle and western states territory; in effect May 15.

The Big Four made effective, April 20, reshipping rates on grain from Chicago, Ill., to Boston, Mass., and Portland, Me., of domestic, 18c; export, 13c; grain products, domestic, 18.7c; export, except flour, 15c; New York, domestic, 16c, export, 13c; grain products, domestic, 16.7c; export, 15c.

The Wabash, in Sup 4 to ICC 2073 gives the rate on grain between Wabash stations in Ill., also Keokuk, Ia., and Hannibal, Mo., and East St. Louis, Ill., St. Louis, Mo., and to Cairo, Ill., Evansville, Ind. and Louisville, Ky. (when destined to southeastern territory) also lower Mississippi valley points; state, April 15; interstate, May 15.

The rates on grain between Chicago, Ill., Omaha, Neb., Winona, Minn., St. Paul, Minn., and P. R. C. & M. W. stations are given by the C. & N. W. in Sup 3 to ICC 6928; effective May 15.

The M. & St. L. rate, effective May 15, on grain and products from M. & St. L. stations and connections to Brookport, Cairo, Ill., and Evansville, Ind. (destined to Carolinas and southeastern territories) is given in ICC A314.

Sup 1 to ICC 1173 issued by Grand Trunk on wheat, corn and oats, ex-lake, cancels rates from Port Huron, Mich., and Ont. points, to B. & M. stations; effective from Canadian ports, April 24, from U. S. ports, May 15.

The rate on barley from New York to Chicago beginning June 1 will be 17¾c per 100 lbs. (including lake insurance); the ocean rate from the Pacific coast to New York is approximately 25c per 100 lbs. plus insurance of approximately ¾ of 1%.

The rate of the C. St. P., M. & O., effective May 25, on corn, barley, oats and rye to Denver, and Pueblo, Colo., and rate points from Sioux City, Ia., Dakota City, Coburn, Jackson, Vista, Ponca, Newcastle, Maskell, Hubbard and Bloomfield, Neb., has been set at 25c.

Charges of the Mo. Pac. on grain and products from St. Louis, Carondelet, Mo., East St. Louis, Cairo, Gale, Thebes, Ill., and Memphis, Tenn., to St. L. I. M. & S. stations and connections in Ark. and Okla. are given by that road in Sup 10 to ICC A1170, becoming effective May 27.

The Toledo, St. L. & W.; C. & A., and the Iowa Cent. have issued Sup 9 to ICC A-3, a joint and proportional tariff applying on grain and grain products from stations on the Alton, Illinois Term. R. R., Iowa Cent., etc., to Atlantic seaboard and interior points; effective May 25.

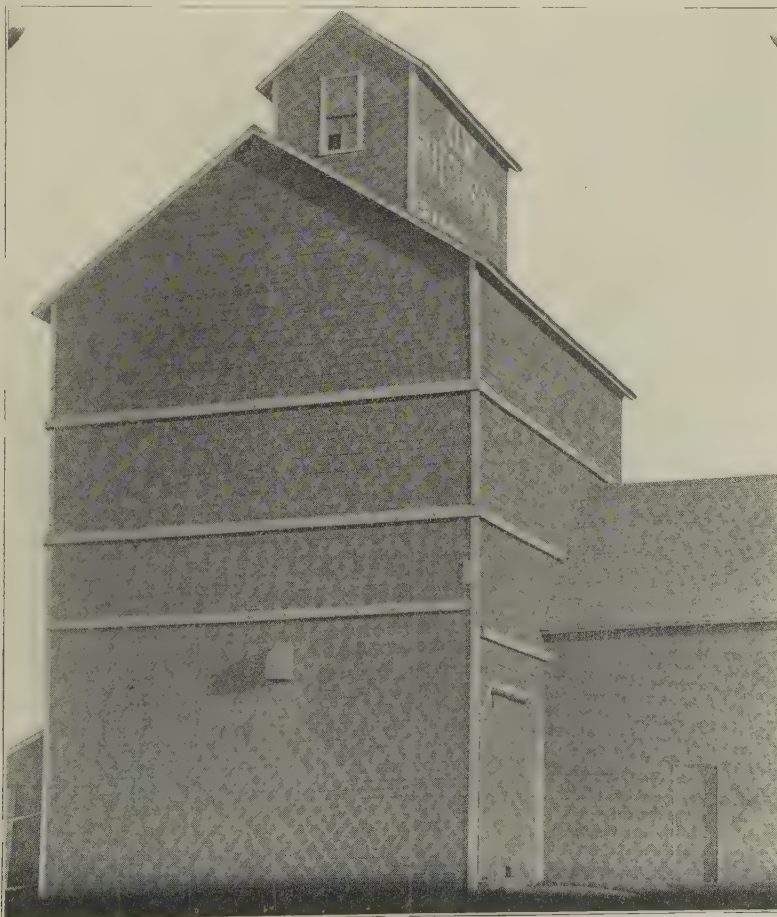
The Ill. Cent. in ICC A8067 gives the rate on grain and products and uncooked cereal products from East Dubuque, Ill., on shipments originating east of the Indiana and Illinois state line to Council Bluffs, Ia., Omaha and South Omaha, Neb. (when destined to points beyond); May 27.

The C. G. W. in ICC 4749, sup 5, quotes joint proportional rates on barley, corn, flaxseed, millet, oats, rye and wheat between Bloomington, Jacksonville, Peoria, Petersburg, Rock Island, Springfield, Ill., and stations taking same rates as Peoria, Ill., and stations on the Great Western and connections; effective May 28. Cannon Falls to Peoria the rate is 14½ on barley; and Minneapolis to Bloomington and Springfield 13½ cents on wheat.

## OVERHAULING A TWISTED ELEVATOR.

About a year ago the elevator at Shattuck, Okla., owned by O. W. Hutchinson of Wichita, Kan., was struck by a cyclone and left in the twisted shape shown. The elevator was full of grain at the time, but the only damage done was the twisting of the timbers.

The condition of the building was so bad that it appeared impossible to do anything with it, without tearing down and rebuilding and the job of reconstruction was refused by several engineers. But four days after the overhauling was commenced by the P. H. Pelkey Construction Co. the building was as good as new, as shown. Being full of grain, it is a wonder that the elevator did not collapse at the time.



Shattuck, Okla., Elevator After the Builders Straightened It.



## THE GRISWOLD SEED COMPANY'S New Plant.

The field seed trade has long been growing in importance and volume, but only in more recent years has there been notable improvement in equipment and facilities for handling the seed. Those active in the business are meeting the present needs by building large well lighted fireproof plants for conveniently handling the business along specialized lines.

The new plant of the Griswold Seed Company, at Lincoln, Neb., is one of the finest of its kind, being of reinforced concrete construction, and equipped with up-to-date machinery throughout. The building has four floors, including the basement, and also two cement platforms on the side and front, 12x142 ft. and 18x50 ft. respectively. The construction provides for two additional floors when required.

The first floor is equipped with one 3-ton Dump Scale, one 25 H. P. Mietz Crude Oil Engine, one Clark Automatic Power Grain Shovel and one Richardson Automatic Bagging Scale. All units of machinery are connected with Medart Patent Friction Clutch Couplings. A conveyor belt runs from car to two stands of steel elevators with 5½x14 Caldwell-Avery Buckets, all driven with rope transmission.

The second floor contains one No. 39 Clipper Seed Cleaner, one Champion Feed Mill, one Victor Corn Sheller, one Rice Buckhorn Mill and one Monitor Scouring and Polishing Machine.

The third floor contains seven large ear corn bins equipped with tipping, butting and sorting contrivance for seed corn, one No. 109 Clipper Seed Cleaner and one Mixing Machine for Chick Food. Other floors are taken up with tanks for supplying cleaners.

The cupola contains one Cornwall Corn Cleaner and Richardson Automatic Scale. The elevator has a storage capacity in 19 steel tanks for 10,000 bus. A Wolf Employees Elevator runs from first floor to cupola.

The plant is equipped to generate its

own heat and light, and is steam-heated and electric-lighted throughout. The offices which occupy 30x50 ft. on the second floor are connected by private telephone exchange with all floors and departments.

The Griswold Seed Co. is ideally situated in its new home, and looks forward to continued prosperity. A photograph of the building is reproduced herewith. The plant was erected by A. T. Ward.

The Erie publishes rates on grain, exchange, at and east of Buffalo, to Port Philadelphia, for export, wheat and corn, 3.7c; rye, 4.95c; barley, 4.55c; oats, 3.5c per bu; in effect April 27.

The Wabash has set a rate on corn to Toronto, Ont., from Chicago of 12c; to West St. John, N. B., from Chicago, 23c; Toledo, 20½c; in effect May 22; wheat, from Chicago to St. Jacob, Ill., 7c; effective May 27.

I look for a large increase in the flax acreage, as seed is being shipped to all parts of the Northwest at \$2.90 per bushel. Even Iowa farmers are breaking up land for flax.—Chas. Siman, chief inspector, Sioux City, Ia.

The Ill. Cent. publishes the rate on grain and products from stations in Ia., Minn., S. D., Omaha and South Omaha, Neb., also stations on connecting lines to La., Miss., and Ala. and Ark. points in Sup. 7 to ICC A7686; effective, May 10.

The Ohio Millers Ass'n at its annual meeting in Columbus today will be importuned by Bert Ball of the Crop Improvement Comite to assist in getting the farmers out to ten special winter wheat trains to be run over that state in August under the management of Prof. Graham of the Ohio Agri. College.

ICC 1623 as issued by the Grand Trunk makes the rate on wheat, 7½c per bu. of 60 lbs., oats, 4c per bu. of 32 lbs., from Port Huron, Mich., Collingwood, Depot Harbor, Goderich, Meaford, Midland, Point Edward, Sarnia and Tiffin, Ont., to Capleton, North Hatley, Eustis, Masawippi, Ayer's Cliff, Smith's Mills, Stanstead and Rock Island, Que.; effective, from Canadian ports, April 24, from U. S. ports, May 15.

## Seeds

The final report for the province of Saskatchewan shows 3,044,138 bus. of flaxseed raised in 1910 on 396,230 acres, against 4,448,700 bus. on 319,100 acres in the previous year, as reported by Thomas Cromie, chief of the bureau of information and statistics.

The final report of crops in the province of Alberta in 1910 shows a total yield of 46,155 bus. of flaxseed on 15,271 acres, compared with 131,531 bus. on 12,479 acres in the previous year, as reported by George Harcourt, deputy minister of Agri.

Albert Dickinson, pioneer seed merchant and the bachelor head of the Albert Dickinson Co., was married recently at Waukegan, Ill., to Miss Emma L. Benham, following a romance which began over twenty years ago. Mr. and Mrs. Dickinson will make their future home at Orange City, Fla., coming to Chicago during the summer.

The new pure seed law of Nebraska becomes effective October 1 and provides that the package must be labeled with the name of the seed, the seedsman, a statement of the purity of the seed and the kind and percentage of impurities. Also the locality where grown. A fine of not to exceed \$100 may be imposed upon any dealer convicted of selling seed containing dodder, wild mustard, quack grass, thistle and other noxious seed.

The April deal in clover seed at Toledo passed away without much excitement. All short sales were filled, the last one by the receipt of a carload of prime. It is thought one house here still holds some prime. New crop futures have been active. Most of the trading is in October, but also considerable in March, the latter ruling about 5c premium. Crop news is mixed, some good and some bad, although many write us that it is too early to tell the real condition.—J. F. Zahm & Co.

London, Eng., April 24.—The spring sowing seed demand is now at its height. English red clovers still come out all qualities, but by no means so freely; prices very firm. French reds continue unchanged. Alsikes firm to rising in English, Canadian and German seed; stocks very light. Whites and trefoils scarce and firm. Timothy and Provence Lucerne in the same position. In grasses French-Italian rising, Irish-Italian and perennials unchanged. New Zealand cocksfoot and meadow fescue very firm. Spring tares in fair demand all qualities, prices firm.—John Picard & Co.

Chicago received during the week ended May 6 no timothy seed, 70,100 lbs. of clover seed, 49,500 lbs. of other seeds and 2,000 bus. of flaxseed; compared with 140,000 lbs. of timothy seed, 500 of clover seed, 212,900 lbs. of other seeds and 14,000 bus. of flaxseed in the corresponding week last year. Shipments included 38,400 lbs. of timothy seed, 133,900 lbs. of clover seed, 304,700 lbs. of other seeds and 2,900 bus. of flaxseed; against 74,400 lbs. of timothy seed, no clover seed, 385,000 lbs. of other seeds and 5,100 bus. of flaxseed during the corresponding week of 1910. During April Chicago received 27,500 bus. and shipped 7,500 bus. of flaxseed, compared with 75,200 bus. received and 19,000 bus. shipped during April, 1910.



New Seed Warehouse of Griswold Seed Co. at Lincoln, Neb.



The acreage of clover sown in Ohio as compared with last year is 96 per cent, according to the Dept. of Agri.

Kansas City received during April 2,000 bus. of flaxseed and shipped none; compared with 1,000 bus. received and none shipped in April of 1910.—E. D. Bigelow, sec'y Board of Trade.

Did you ever ship a carload of timothy seed in bulk? What did it cost you to line the car? How much cheaper was it than shipping in bags? How much was lost in transit? Was your shortage claim ever paid? Tell us your experience.—T. S.

Toledo received during the week ending May 6 225 bags of clover seed and shipped 635 bags, against 389 bags received and 141 bags shipped a year ago. For the season to date receipts have been 66,167 bags of clover seed and 10,339 bags of alsike, compared with 72,293 bags of clover and 12,833 bags of alsike received during the corresponding period of the preceding season.

Advices show that stocks of clover seed in other markets are exhausted and this fact, combined with the scarcity of country offerings, accounts for the stronger position of the cash article at Toledo. The April demand has been excellent and from now on the requirements will undoubtedly be reflected in higher prices. Contrary to the popular opinion, cash and April seed has advanced 60c per bu. instead of seeking the October level, as some confidently expected. Considerable seed will yet be wanted for the spring sowing and this demand, combined with the usual summer requirements, will hold the market at high level.—Crumbaugh-Kuehn Co.

It is only in a very limited area in Canada—that is, in the clover seed producing districts—that the farmers enter into competition with the seed merchants in the buying and retailing of clover seeds. In the conduct of such a business they are in reality seed merchants and are as amenable to the Seed Control Act as are the seed merchants themselves. Not the slightest objection can be raised to their action in that respect so long as they assume the responsibility devolved upon them. It would, however, be better for them and for their neighbors to whom they sell were they to procure and make thoro use of really good machines for cleaning clover seeds.—Geo. H. Clark, seed commissioner of Canada, Ottawa, Ont.

Clover seed has been asleep past week. Cash trade mostly of retail character. Stocks of old seed are light both in the show windows and the invisible. New crop prices are over dollar higher than year ago and trifle higher than two and three years ago. This makes some bulls timid. Need fresh crop damage to stimulate them. Light stocks in this country and moderate stocks abroad, together with bad spots in our new crop, may make present prices look cheap later on. New crop outlook abroad must be considered as well as at home. Bears are timid because prices are hardly high enough to go short and risk chance of accidents. Bulls hoping for little decline later on.—C. A. King & Co.

My one advertisement in the Grain Dealers Journal of man wanted for grain and implement business brot me inquiries enough from Texas to Canada and from Indiana to California.—H. F. Wilke, Wilke, Ia.

## TESTING SEED CORN.

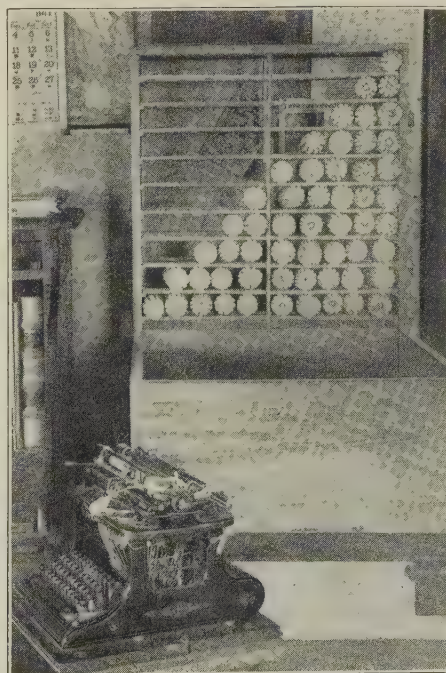
Each corn planting season finds more and more grain dealers testing seed corn for farmers, and with ever increasing benefit to themselves and their farmer patrons. C. W. Smith, who is agent for the National Elevator Co. at Kemp, Ill., has recently constructed an ear corn rack and seed corn tester of his own design, which has proved very successful. As is shown in engraving herewith, his ear corn rack has room for 100 ears, and each ear can be numbered so as to facilitate its identification.

The rack is 30 inches wide, 30 inches high and 8 inches deep. The shelves are formed of lath, one at the front and one at the back, for supporting the ears of corn. The testing box, which has room for 100 samples, is 30 inches long, 30 inches wide and 12 inches deep, its bottom being covered with 6 inches of sawdust. Over the sawdust is stretched a piece of muslin, upon which is drawn 100 squares  $2\frac{1}{2}$  inches to the square. It is intended that 6 grains of corn should be placed on each square.

The location of the grains in the box correspond with the location of the ear in the rack. A piece of muslin is placed over the grains, and a third piece, large enough to hang over the edges of the box is placed on top, and then covered with 3 inches of sawdust, enough water being poured into the box to moisten the entire contents.

Mr. Smith, in order to put his tester to a trial, blind-folded engineer I. B. Feeler, and had him select 100 ears from as many different places in the company's crib at this point, which contains 56,000 bushels of corn, by digging down 3 feet into the mass, and selecting an ear from each place. Six grains were taken from each ear and kept in the tester for a week, with the result that 85 ears showed 6 grains well sprouted, 5 ears showed but 5 grains well sprouted, 4 showed but 4 well sprouted, 2 but 3 well sprouted, 2 but 2 well sprouted and 2 but 1 well sprouted. His conclusion is that ears that show less than 6 grains well sprouted had been cribbed in a sappy condition, hence were unfit for seed.

This tester is so simple and inexpensive,



Seed Corn Tester and Rack.

we feel certain that many other dealers will imitate the example of Mr. Smith, and provide facilities for testing seed for all patrons. If all seed corn is tested the farmers will grow more and better corn and the dealer will get more to handle.

## From the Seed Trade.

Foell & Co., St. Louis, Mo.: The movement of grass seed into and out of the market has been light this season, and we consider the demands for seed were not as heavy as they should have been on account of the high prices, which applies to timothy and blue grass.

As to stocks on hand we think there is not much seed of any kind in growers' hands nor much in dealers' hands, owing to high prices, and as growers or dealers would not care to carry over high priced seeds. In our estimation the seed business this spring has not been up to the records of the past seasons; besides the crop of clover seed as well as timothy has been very poor this season.

## DUTY TO NOTIFY SHIPPER Before Unloading.

Waco Mill & Elevator Co., of Waco, Tex., v. Belew & Pondrom, of Pilot Point, Tex., before arbitration committee of Texas Grain Dealers Ass'n. Claim for \$21.47 account misgrade of 2 cars wheat.

The testimony shows that on June 17, 1910, Belew & Pondrom sold to Seley-Early Grain Co. 2,000 bus. No. 2 soft wheat at 83c f. o. b. for shipment the next week. The confirmations exchanged substantially agree, that of Seley-Early Grain Co. stipulating good No. 2 wheat, while the confirmation of Belew & Pondrom stipulated No. 2 soft wheat. Both confirmations agree that destination weights and grades should govern. Seley-Early Grain Co. sold the contract to Waco Mill & Elevator Co. and advised defendants to ship the wheat to Arbuckle Elevator, Dallas, for account of Waco Mill & Elevator Co.

When wheat arrived at Dallas it was unloaded by Arbuckle Elevator and reported to plaintiff as testing 58 lbs. per bus. The plaintiff thereupon made returns and docked the wheat one cent per bushel, contending that this was correct under the custom of Texas millers. The defendants declined to pay this dockage and contended that under the trade rules of the Texas Grain Dealers Ass'n it was plaintiff's duty to have obtained their consent before unloading and docking, as prescribed in Trade Rule 36.

It is clear to us that the contract, as originally confirmed, contemplated wheat to grade No. "2" at destination, and that the sale was not Basis No. 2.

We do not think defendants' contention that Rule 36 should apply well taken, for the shipments were not rejected in the meaning as set forth in that rule, but the contract calling for No. 2 wheat, we are forced to hold that it was the duty of the plaintiff to notify defendants before unloading wheat that did not grade No. 2. The plaintiff argues that it is the custom of Texas mills to unload and apply No. 3 wheat testing 58 lbs. on contract at a dockage of one cent per bu., but we do not understand that this is a general rule adopted by all Texas mills, and we are of opinion that the receiver should notify his shippers before unloading and applying any shipment that is below the grade stipulated in the contract.

Judgment is therefore rendered in favor of defendants and the secretary is directed to return their deposit fee.

T. M. SLEEPER,  
BERT K. SMITH,  
Committee.

More than 300,000 bus. of Canadian barley now in store at Buffalo are likely to remain there until the reciprocity question is settled. Without the duty some of it will pay a handsome profit.

C. H. Thornton of Duluth has been in Europe studying the flaxseed supply. Judging from conditions the world over he estimates that no matter how much flaxseed farmers in our Northwest may produce prices are likely to be high.



# Grain Trade News

## ARKANSAS.

Ilexarkana, Ark.—The Land Mfg. Co., which operates in Kansas and Missouri, will soon begin the erection of an eltr. and a mill to manufacture and handle chops, corn meal and other feedstuffs here, to cost about \$25,000. R. E. Dove, who will manage the plant, has come to arrange preliminaries.

## CALIFORNIA.

Corona, Cal.—The Alfalfa Meal Mfg. Co. has leased land from the Santa Fe on which to build a \$25,000 plant immediately.

Los Angeles, Cal.—The Newmark Grain Co. has entered suit against the Merchants National Bank to recover \$13,753, alleging that the bank had no authority to cash checks at the request of its bookkeeper now in the penitentiary for embezzling this amount from the firm.

## CANADA.

Mervin, Sask.—The Grain Growers Ass'n will build an eltr.

Primate, Sask.—Good openings for eltrs. here and at Kerrobert.

Broderick, Sask.—The Farmers Eltr. Co. has succeeded J. C. Vernon.

Port Burwell, Ont.—The C. P. R. is considering building an eltr. at this point.

Winnipeg, Man.—The Sovereign Grain Co. of Calgary has started a branch here.

Qu' Appelle, Sask.—The eltr. of the Winnipeg Eltr. Co. burned Apr. 18, with 5,000 bus. of wheat.

Lethbridge, Alta.—W. G. Wing has been appointed liquidator for the Western Farmers Mfg. & Eltr. Co.

Winnipeg, Man.—A fire in the warehouse of the Lake of the Woods Mfg. Co., Apr. 20, destroyed a quantity of oats and flaxseed; loss, \$30,000.

Pilot Mound, Man.—George Dow has decided not to rebuild the plant burned here Apr. 11 as the Dow Cereal & Mfg. Co. is planning to build in Winnipeg.

Winnipeg, Man.—The Dow Cereal & Mfg. Co., which lost its plant at Pilot Mound by fire Apr. 11, has obtained a site in this city, on which to build an up-to-date, 500-bbl. oatmeal mill.

Vancouver, B. C.—Fox Bros. are planning to build a cereal mill and a 100,000-bu. eltr. They will obtain their oats from the Fraser Valley and manufacture the "Eclipse" breakfast food.

Vancouver, B. C.—The Redcliff M. & Eltr. Co. of Redcliff, Alta., has been licensed to do business in British Columbia with headquarters in this city; E. Munings, representative; capital stock, \$100,000.

Yorktown, Sask.—The Dow Cereal & Mfg. Co. has asked the Board of Trade what inducement would be offered for the erection of an oatmeal mill, as this is one of the large oat-growing centers in the Canadian west.

Medicine Hat, Alta.—The \$80,000 plant to be erected here by the Alberta Linseed Oil & Paint Co. will stimulate flax raising in this district. Last year Alberta shipped out 200,000 bus. of flaxseed at an expenditure of \$30,000 for freight.

Moose Jaw, Sask.—At a recent meeting of the executive of the Saskatchewan Grain Growers Ass'n, which practically controls the Sask. Co-op. Eltr. Co., J. A. Maharg was elected pres.; F. W. Green, vice pres.; T. A. Dunning, sec'y-treas. The executive decided to educate farmers on the terms of the eltr. bill and ascertain what places wanted to try out the eltr. scheme.

Benito, Man.—I was transferred here April 12 from Maryfield, Sask.—F. R. Lynch, agt. Sask. Eltr. Co.

Winnipeg, Man.—Nearly all government eltrs. are closed in the province as farmers are busy with their seeding.

Winnipeg, Man.—While the government is not planning to increase the number of its eltrs., as a third of those in the province are now under its control, the Manitoba Eltr. Commission continues to receive requests from different points to establish new eltrs., in addition to those already taken over. Many ask for erection or purchase on account of petitions sent in last year.

Winnipeg, Man.—The recent report of the special committee on the grain bill recommended striking out the provision that any person having an interest in a terminal eltr. could not engage in the grain business in any other way. It also advised the establishment of grain hospitals and an appeal to the government from the grain commission on cancellation of the license of a terminal eltr. The minority report to the house objected to the proposed amendments.

Winnipeg, Man.—It is understood that the vacancy in the Manitoba Eltr. Commission, caused by the resignation of F. B. MacLennan, will not be filled. His appointment was requested by the farmers of the province. When the commission was formed he stated the price for which he would serve and when the government decided to reduce his salary from \$8,000 to \$4,000 he determined to return to the grain trade with which he has been connected for more than thirty years, and in which his brothers are now engaged.

Regina, Sask.—According to figures supplied by C. C. Castle, dominion warehouse commissioner, 67 new grain houses were erected in this province in 1910, making the total number of eltrs. and grain-storage warehouses in Saskatchewan 909 with a capacity of 26,440,000 bus.; compared with 842 having a capacity of 24,279,000 bus. in the previous year. In Manitoba the grain houses number 718 with a capacity of 21,728,800 bus. and in Alberta 262 with a capacity of 3,764,500 bus., making a total of 1,861 eltrs. in the three provinces, with a combined capacity of 56,933,300 bus., as reported by Thomas Cronie, chief of the bureau of information and statistics.

Vancouver, B. C.—In the suit of the Vancouver Mfg. & Grain Co. vs. the Alberta Pacific Eltr. Co. the costs, \$18,000, have already amounted to about twice the verdict awarded the plaintiff, \$9,400, and the end is not yet as an appeal will likely be taken to the Privy Council. The suit began in Sept., 1909, on four contracts, two for the delivery of spring wheat, one for white winter wheat and one for oats. As the defendants had failed to deliver the whole of these the plaintiff had to buy the deficiency in open market when prices were the highest and sued to recover the difference between the price paid and what it would have been had the defendant made delivery. The A. P. Eltr. Co. alleged that it was the duty of the V. Mfg. & Grain Co. to furnish cars in which to ship the grain, which it had failed to do, and that the price was to be fixed after the cars had passed government inspection at Calgary and since no such inspection took place it was impossible to estimate damages. The case was first heard at great length, 25 days. Witnesses came from Winnipeg and the prairie provinces and the award was then made for the plaintiffs, that was sustained on appeal in the recent hearing before the chief justice and two other judges.

## IDAHO.

Vollmer, Ida.—We have just installed a large barley roll and cleaning plant here and a 40-h.p. gasoline engine.—Vollmer-Clearwater Co.

Juliaetta, Ida.—James Armstrong of this town, chairman of the state grain commission, resigned Apr. 17 and has gone with his wife to California, where he purchased property. He recommended the appointment of Louis Clark of Gifford.

## ILLINOIS.

Taylorville, Ill.—William Loveless will build a new eltr.

Walnut Grove, Ill.—Arthur Ford has succeeded Ford & Ford.

Paris, Ill.—Ground has been broken for the new farmers' eltr.

Lee Center, Ill.—Farmers are planning to build a 20,000-bu. eltr.

Bloomington, Ill.—Abel Brooks & Co. have gone out of business.

Bonfield, Ill.—The E. Schmidt Co. has succeeded Eugene Schmidt.

Berry sta., Custer p.o., Ill.—King & Dow are considering building an eltr.

Richardson, Ill.—John H. Marshall is building an addition to his eltr.

Herscher, Ill.—John Karcher & Son have succeeded Karcher & Jackson.

Adeline, Ill.—The Neola Eltr. Co. is having an addition built to its eltr.

Ogden, Ill.—F. G. Supple is building an eltr. to replace that burned in March.

Paxton, Ill.—D. A. Frederick, long in the grain business, died recently, aged 79.

Atlanta, Ill.—Farmers are making an effort to organize another grain company.

Dana, Ill.—The old grain office of P. E. Beutke has been sold to be used for other purposes.

Fithian, Ill.—C. B. De Long is having plans for a 10,000-bu. eltr. made by the O. P. Hiett Co.

Bellflower, Ill.—Gooch Bros. & Co. have reshingled their eltr. and installed new scales at their grain office.

Rockford, Ill.—We will build an eltr. here replacing the one which burned recently.—A. L. Bartlett Co.

West Brooklyn, Ill.—The West Brooklyn Farmers Eltr. Co. has installed a new track scale with registering beam.

Delavan, Ill.—The Farmers Eltr. Co. has appointed Homer Price mgr. and J. A. McCreery of Mason City, Ill., advisory supt.

St. Joseph, Ill.—O. B. Wysong is having an eltr. built on the Ill. Traction System, about half way between here and Mayview.

Woosung, Ill.—We have installed an Avery Automatic Scale and Constant Manlift in our eltr.—The B. P. Hill Grain Co.

Frankfort, Ill.—I am overhauling my eltr. at this station and installing a 17-h.p. New Era Gasoline Engine.—C. J. Meyer, New Lenox, Ill.

Hamel sta., Alhambra p. o., Ill.—G. H. Wolfe, merchant and grain dealer, is building an eltr. at this station on the Ill. Traction System.

Ottawa, Ill.—The Wallace Grain & Supply Co. is having the foundation laid for a new eltr. to be about the same size as its present structure.

Blueridge, Ill.—We are arranging to take down our old eltr. here and replace it with an up-to-date cribbed building.—George A. DeLong, Foosland, Ill.

Maroa, Ill.—Elliott James has traded his eltr. property valued at \$7,000 to John Greenbolt of Momence for a 120-acre farm valued at \$135 per acre.



Arnold, Ill.—We contemplate covering our eltr., putting in another dump and building a cob burner.—Arnold Cain & Co., mgrs. Arnold Farmers Eltr. Co.

Zook sta., Danvers p. o., Ill.—The Dry Grove Farmers Grain Co. has let the contract for the construction of a 12,000-bu. eltr. to the O. P. Hiatt Co.

Healey sta., Risk p. o., Ill.—The Healey Grain Co. held a meeting recently to make arrangements to redeem the eltr. which is to be sold under mortgage.

Charleston, Ill.—Whalen Bros. have bot the site on which the eltr. of Wheatley & Linder burned Mar. 19, and will start erection of new buildings immediately.

Newman, Ill.—We are now out of the grain business and I will go to Rosenberg, Tex.—L. J. Kaiser, formerly of Kaiser & Co. succeeded by Bankert & Son.

The Illinois legislature has passed an emergency appropriation of \$8,000 for the destruction of chinch bugs, said to be returning to this state in large numbers.

Heyworth, Ill.—Fruitt & Arnold of Bloomington are having an eltr. built at Buck's Road (not a p. o.) on the Ill. Traction System, between here and Wapella.

Jerseyville, Ill.—Groppe & Schneider have let the contract to the O. P. Hiatt Co. for a 20,000-bu. eltr. E. Cockrell is having his eltr. remodeled by the same firm.

Fulton, Ill.—F. A. Lowry, mgr. of the eltr. of E. A. Brown, has been cleaning the barley in the eltr., about 12,000 bus., and shipping it out preparatory to closing for the season.

Woodhull, Ill.—The recently organized Woodhull Grain Eltr. Co. purchased the eltr. of F. L. Hough, May 3, and will take possession not later than June 17.—W. E. Shelter, sec'y.

Nokomis, Ill.—Nokomis Farmers Grain Co. incorporated to deal in grain, mill feed and field seeds; capital stock, \$12,500; incorporators, John Pier, David H. Best and Jacob E. Haller.

Winchester, Ill.—Schultz, Baujan & Co. have arranged to handle grain as usual while their new eltr. is under construction by the Burrell Engineering & Const. Co., replacing their old.

Hagener sta., Arenzville p. o., Ill.—As the C. B. & Q. intends to double track, the eltr. of the Arenzville-Hagener Farmers Grain Co. will probably have to be moved off the right of way.

Altona, Ill.—The Altona Grain Co. incorporated to do a general grain and warehouse business; capital stock, \$5,000; incorporators, C. G. Nelson, Charles J. Johnson and A. L. Roby.

The Illinois R. R. and warehouse commission, May 3, forbade the proposed advance in freight rates on seed corn in less than carload lots, on the ground that low rates encourage agriculture.

Prairie City, Ill.—A. B. Curtis, who purchased the Diamond Roller Mill, has had it dismantled, preparatory to building a grain eltr. and feed mill on the site, and has started work on the foundation.

Neponset, Ill.—This company is moving a warehouse it recently purchased, on its own ground, in which to handle mill feed, woven wire fence and other articles.—M. O. Scott, mgr. Farmers Grain & Eltr. Co.

East St. Louis, Ill.—The Grain & Products Co. of Dyersburg, Tenn., which makes feed, has moved here and will build an office and an eltr. F. H. Klyce, an official of the company, has removed to this place.

The following have recently been admitted to membership in the Illinois Grain Dealers Ass'n: H. E. Parsons, Philo; P. D. Getty & Co., Bloomington; and the La Rose Grain Co., La Rose, Ill.—S. W. Strong, sec'y.

Beason, Ill.—I have sold out to C. A. Burks & Co. of Decatur; gave possession May 1. I understand the plant will be painted and such repairs made as are needed to handle the coming crop.—John H. Harman.

Claytonville, Ill.—The Claytonville Farmers Grain & Coal Co. took possession Apr. 26 of the eltr. it recently purchased, that formerly belonged to A. D. Ricketts & Co. It is now open for business. I am mgr.—Joe Burt, formerly at Cissna Park, Ill.

Colfax, Ill.—J. R. Williams has just completed a new 3-room office at his west eltr. and has installed new wagon scales. The Colfax Grain Co. has overhauled and improved its east eltr. preparatory to painting it the I. C. standard color, "box car red."

Putnam, Ill.—The Putnam Co-op. Grain Co. bot the plant of B. S. Williams. Eltr. holds 40,000 bus. and have an ear-corn crib that holds 20,000 bus. We started in business May 1 and, in addition to grain, we handle salt, coal, oil and tile.—F. J. Koerner, mgr.

Kirkwood, Ill.—H. S. Abbey and Robert E. Gamble are the active members of the new grain firm that will operate under the name of Abbey & Gamble with W. K. Gamble and H. Abbey as interested partners. They will operate the Dole eltr., which will be partly rebuilt.

Fletcher, Ill.—The eltr., granary and engine house operated by the Hawthorne Grain Co. and owned by Spencer Ewing of Bloomington, burned in the morning of Apr. 17, with more than 6,000 bus. of oats, grain almost fully insured; insurance on buildings, \$3,400. The granary stood 45x18 ft.; eltr., 32x36x50. Fire was discovered at 9:45.

Ridge Farm, Ill.—The Farmers Eltr. Co. has let the contract to McAllister & O'Connor for the erection of a 25,000-bu. eltr. and a 20,000-bu. corn crib. Equipment includes a 600-bu. hopper scale, office and wagon scales, the largest sizes of Western Cleaner and Sheller, electric motor power, two eltr. legs, each having a capacity of 4,000 bus. per hr.

Ficklin, Ill.—Peter Kruse has let the contract for the building of a 30,000-bu. eltr. of cribbed construction, covered with iron, to the Burrell Eng. & Const. Co., replacing his eltr. burned Apr. 3. Machinery equipment includes a No. 22 Western Sheller, No. 31 Western Gyration Cleaner, two stands of eltr. legs, 17x7 cups, a 2,000-bu. Avery Automatic Scale, a Western Manlift and Western transmitting machinery, gasoline power, 40-h.p. Olds Engine.

Sibley, Ill.—Three eltrs. are being erected here. That for Shearer & Miller, 24x30 and 45 ft. high, is going up rapidly. It will have a double dump, six bins with a capacity of 25,000 bus. and up-to-date machinery. The eltr. for the Sibley estate is well under way altho the workmen had to be laid off for a few days, waiting for lumber. Foundation is being laid for the eltr. of the Sibley Grain Co. Burrell Eng. & Const. Co. is doing the work for the last two.

Peoria, Ill.—Grain interests of Peoria met defeat in the Illinois house of representatives, May 2, when their representatives protested against the Shurtleff's bill, H. B. 533, providing for uniform inspection of grain thruout the state by the state grain department and for regulation of public warehouses. Under an amendment offered by Representative Shurtleff and adopted by the house, the bill was made applicable to cities of 50,000 population and over and was advanced to third reading.

The good roads bill prepared by the Chicago Automobile Club, passed the Illinois senate, May 3, by a vote of 34 to 3. It creates a county superintendent of roads who is to have general supervision over the improvement of public highways; increases the license fees of automobiles and provides that license fees of both automobiles and motorcycles shall be paid into the state treasury to be used in the construction of good roads. It abolishes the wheel tax provided for in an amendment to the original, the Tice bill, desired by the city council of Chicago, and prohibits all local ordinances along that line, but allows Chicago to enforce a wheel tax on commercial automobile trucks and cars.

Fletcher, Ill.—B. C. Hallen will overhaul his eltr.

The committee on civil service of the Illinois senate took off the amendment to the state-wide bill, Apr. 27, providing for the election of the commission instead of appointment by the governor, added when the bill passed the house the week before. It now provides salaries of \$5,000 for commissioners who shall reside in Springfield. A blanket clause attached brings into the classified service, without examination or question, all employees who are on their jobs June 30.

Morrison, Ill.—M. H. Potter took his sons, Albert and Warren, into partnership with him, May 2. The business will be conducted under the firm name of M. H. Potter & Sons. Mr. Potter has been in his present business of handling grain, lumber and coal for 27 years, but associated with different people. The firm was first Potter, Green & Co., then Potter & Johnson. He purchased Mr. Johnson's interests in May, 1905, and conducted it under his own name until this change.

Glover sta., St. Joseph p. o., Ill.—When the five eltrs., now under construction at different points on the Ill. Traction System, are completed 16 will be in service along that line in addition to its transfer eltr. at this station, and none smaller than 40,000 bus. capacity. Arrangements have been made for the use of outside equipment to meet the demand for cars to handle grain shipments when the new eltrs. are put into operation, as this road now owns but 230 box cars of 80,000 lbs. capacity, none of which are allowed to go off its line.

The occupational disease bill passed the Illinois senate, May 4, by a vote of 38 to 0 and now awaits the governor's signature. It passed the house, Mar. 28, by a vote of 105 to 0. It requires employers to provide respirators to prevent inhalation of poisonous dust; lavatories and dressing rooms separate from the workshop for employees exposed to poisonous materials, fumes, or dust; and proper sweeping systems. Sweeping is not permitted during working hours; floors shall be smooth and hard. The bill was prepared by a special commission appointed in 1907.

## ANNUAL MEETING ILLINOIS GRAIN DEALERS ASS'N.

The annual meeting of the Illinois G. D. A. will be held in Bloomington, Ill., June 13-14. The following program is somewhat incomplete; other features will be added later.

TUESDAY, JUNE 13, 10 A. M.

Convention called to order by Pres. George D. Montelius, Piper City.  
Secretary's Report, S. W. Strong, Urbana.

Treasurer's Report, H. I. Baldwin, Decatur.  
Finance Committee's Report, F. L. Warner, Chairman, Chenoa.

Appointment of Committees by President, Resolutions Committee, Nomination Committee.

"How to Obtain Larger Yields of Better Grain," Bert Ball, Chicago, sec'y Crop Improvement Committee, Council of North American Grain Exchanges.

TUESDAY, JUNE 13, 1:30 P. M.

President's Address, Geo. D. Montelius, Piper City.

"Pharaoh and His Corn Crop," J. S. Tustin, F. C. A., M. P. R. R. Co., St. Louis Mo., President, F. C. A. National Ass'n.  
"Progress of the Claims Department," Illinois Grain Dealers Ass'n, Wm R. Bach, Attorney and Manager, Bloomington.

"Agricultural Statistics in Illinois," J. K. Dickinson, Springfield, Sec'y Illinois State Board of Agriculture.

WEDNESDAY, JUNE 14, 9:30 A. M.

"The Use and Advantage of the Moisture Test in Handling Grain," J. W. T. Duvel, Crop Technologist, Bureau of Plant Industry, U. S. Department Agriculture, Washington, D. C.

"The Use of the Moisture Test in a Country Grain Office," G. H. Hubbard, Mt. Pleasant, Mo.



Report of the Resolution Committee.  
Report of the Nomination Committee.  
Election of Officers.

WEDNESDAY, JUNE 14, 1911, 1:30 P. M.  
"The Illinois Grain Dealers' Ass'n; Its Accomplishments, and Benefits It has Conferred on the Grain Trade," S. W. Strong, Urbana.

Subjects for Fifteen-Minute Talks:  
"Experience in Grading Corn Which Has Been Frozen; on Warm, Damp Days," S. H. Smith, Assistant Chief Grain Inspector, Chicago.

"Is Storing Grain Profitable?" Geo. W. Cole, Bushnell.

"The 'Call Rule,' How It Affects the Country Grain Dealer," E. M. Wayne, Delavan.

#### CHICAGO NOTES.

The wife of William T. Carrington died recently.

The Northwestern Grain & Eltr. Co. has dissolved.

W. G. Press & Co. have removed to 206 La Salle St.

W. W. Emmons is no longer supt. of the Atlantic Eltr.

Frank W. Hess has resigned his position as mgr. of the Belt Eltr.

Paul Van Leunen & Co. will move to the Provident National Bank Bldg.

H. A. Foss has been appointed supt. of the new custodian's department of the Board of Trade.

The Board of Trade Club will hold a meeting at 3 p. m., May 11, in the visitors' room of the Board.

The government grain standardization department has removed from the Board of Trade to the Commerce Bldg.

The official rate of interest for May has been set by the finance committee of the Board of Trade at 5% per annum.

For ten good reasons why senate bill 271, legalizing options, should pass, read "Gold Bricks of Speculation," by John Hill, Jr.

Joseph F. Jackson has formed a permanent connection with Shearson-Hamill and will be assistant to Mr. Crosby on the floor of the Board of Trade.

The Carhart-Harwood-Code Co., incorporated, capital stock, \$40,000, seed and grain; incorporators: Geo. T. Carhart, Arthur N. Harwood and Daniel J. Phenix.

CHICAGO CALLERS: Chas. Siman, Chief Grain Inspector, Sioux City, Ia.; Henry F. Bartling and M. C. Bartling, Matteson, Ill.; H. F. Brueggeman, Tinley Park, Ill.

The proposed amendment to the rules of Chicago Live Stock Exchange providing for the abolishment of the custom of paying for dinners, telegrams and market papers for country shippers has been defeated.

The J. Rosenbaum Grain Co. has installed an Automatic Hot Journal Alarm System, furnished by the Western Fire Appliance Works, in the Irondale Eltr. The system is in the boots, where dust accumulates and the liability to explosion and fire is great. This gives the company a reduction of 5% in the insurance rate.

The proposal of the Board of Trade that the railroads abolish the milling in transit privileges and thru rates on grain and establish flat rates in and out of Chicago has been referred by the Central Freight Ass'n to a committee of Illinois roads. An amended set of rules will be made effective June 1 to be followed until the completion of the new set of flat rates. The new rules are described elsewhere in the Journal.

The directors of the Board of Trade have decided against the proposition to make contract grade grain held in cars on track here after it has been inspected, a good delivery on sales of futures at the end of the month; on the ground that the petition was not in proper form and such delivery was apt to cause confusion in the trade. It was proposed to amend the rules making grain in cars a regular delivery in the last five days of a month where it is impossible to put the grain in store.

Receipts of grain at Chicago during April were 630,800 bus. of wheat, 4,696,250 of corn, 5,553,300 of oats, 67,000 of rye and 1,259,800 of barley; compared with 557,300 of wheat, 3,964,350 of corn, 5,781,900 of oats, 77,000 of rye and 2,152,764 bus. of barley in April, 1910. Shipments during the month were 742,200 of wheat, 7,019,940 of corn, 6,133,500 of oats, 35,700 of rye and 456,000 of barley; compared with 1,000,436 of wheat, 5,273,348 of corn, 5,398,082 of oats, 44,721 of rye and 703,890 of barley in April, 1910.

Those who have applied recently for membership on the Board of Trade are: Joseph S. Phillips, Arthur N. Harwood, William A. Thomson, Ervin L. Roy, Alain H. Poehler, Sanford F. Reese, David R. Forgan, William H. Alcock and Roland McHenry. Memberships posted for transfer are those of John J. Kemp, Samuel H. Green, Maurice D. Christopher, Chas. B. Pike, David K. Reed, Walter H. Whigley, Henry Poehler, Lewis Bent Wilson, Benona P. St. John, William J. Dee, James E. Hayes, and the estate of Albert W. Walker. Two memberships recently changed hands at \$2,600 each net to the buyers.

A bucket-shop detective who happens to hold membership in the Board of Trade went down to Springfield to oppose the bill legalizing options on the Board of Trade, and said: "Puts and calls never moved a bushel of grain in the United States, and has nothing to do with the legitimate marketing of grain," thereby demonstrating that however well he may be posted on ferreting out bucket-shop wires and the methods of conducting bucket-shops, there is a great deal about the legitimate grain trade that the gentleman never knew. For example on May 1 July wheat closed at 88 cents, and immediately after the close speculators who were firmly convinced wheat would go higher offered puts "on the opening" at 88½. Thus the bidder for cash grain in the country that night by buying such puts at \$1 per 1,000 bus. was in position to bid the farmer or country shipper a fraction of a cent more per bushel with absolute certainty of profit, as in the event the farmer accepted his offer next morning the bidder was protected against loss by decline in the markets over night. Despite an harangue by another blatherskite senate bill 271 was reported back by the House committee on miscellaneous subjects with the recommendation that it pass.

Geo. H. Phillips has completed the organization of a new grain commission company with a capital of \$100,000, which has been subscribed. It is the intention to have 1,000 country elevator men subscribe \$100 each to the capital stock, which will increase it to \$200,000. The officers are W. A. Thomson, pres.; Geo. H. Phillips, vice pres.; Adolph Kempner, sec'y-treas. The directors are the foregoing and Ben A. Neal of Millersville, Ill.; Jas. K. Riordan, Erie, Ill.; Jas. D. McNamara, Rapid City, S. D.; Jas. C. Roe, Hayes, Ill.; M. H. Wilson, Seymour, Ia., and Harry W. Kress, Piqua, O. Shippers who take shares in the new company are not obliged to transact their Chicago business thru the company, but will be organized into a comprehensive information bureau which will return trustworthy and most valuable market information to stockholders as a guide in buying cash grain or futures and in disposing of their grain to better advantage. The company will have correspondents in all domestic and the important foreign markets, with whom information will be exchanged. The organizers believe they will be able to advise the grain buyer so that he will not carry grain in his elevator or buy it on Boards of Trade for future delivery when conditions are not favorable for higher prices. When market conditions indicate an almost certain advance in prices stockholders will be so advised. It is planned to have each correspondent report every two weeks on a form of inquiry sent out by the company, which will compile the replies and send the condensed information to stockholders in cipher. The new company has taken temporary offices at 110 W. Jackson Blvd., Chicago.

Baseball fans of the Board of Trade will play a series of games this season for charity, as has been the custom, and have already arranged for a game with the Chamber of Commerce of Minneapolis, to be played here July 29 at the White Sox park. Chicago won last year's game with the Minneapolis team.

The timothy hay market continues very strong, with demand good for all grades of sound hay. The arrivals are very light, and shippers who are in a position to market their hay should take advantage of present prices and get some hay here, while market is good. Receivers generally report very light advices of timothy, and we can see no immediate prospect of much of any lower market. Light mixed timothy is selling exceptionally well at present, and at a very little discount under \$1 price.—W. R. Mumford & Co.

#### INDIANA.

Fountaintown, Ind.—Thomas New and T. H. Scudder took over the eltr., Apr. 28, they recently purchased.

Goshen, Ind.—We contemplate erecting an eltr. but may not put it up before next year.—Goshen Mfg. Co.

North Madison, Ind.—Frank Hill of Holton, Ind., will build an eltr. here and equip it with a corn crusher and grinder.

Nappanee, Ind.—The Nappanee Produce Co. will remodel its plant, raise bins, enlarge its eltr. capacity and build ear corn cribs.

Ilene sta., Lyons p. o., Ind.—The eltr. of the Paul Kuhn Co. burned recently, insured for \$12,000, will be rebuilt immediately.—F.

Mentone, Ind.—B. B. Straub, mgr. for the Mentone Grain & Lbr. Co., is having that eltr. remodeled.—George B. Pontius, Claypool, Ind.

Kimmel, Ind.—The Stiefel Grain Co., successor to Straus, Ackerman & Co., will add chop and millfeed machinery to its equipment.

Westville, Ind.—We intend within the next two months to build an eltr. of about 5,000 bus. capacity for rapid handling of grain.—Schirr Bros.

Evansville, Ind.—The largest concrete wheat storage eltr. in this part of the state, under construction for Igleheart Bros., 60,000 bus. capacity, is under roof.

Sheldon, Ind.—The Farmers Grain Co. of Sheldon incorporated by D. C. Wybourn, Casper and F. J. Harber and others; capital stock, \$10,000. William D. Wagner is pres.

Decatur, Ind.—Nine directors of the Farmers Grain Co. of Sheldon, Ind., visited the eltr. of the Bowers-Niblick Grain Co., Apr. 28, to get ideas for the eltr. they will erect there.

Sheldon, Ind.—The Farmers Grain Co. tried to buy the eltr. of C. F. Davidson & Co. but they would not meet the price by \$2,000, so it is considering building.—Joseph Dehner, vice pres. Fr. Grn. Co.

Roachdale, Ind.—Lockridge & Ashby have dissolved partnership. Mr. Ashby takes the lumber yard at Bainbridge and I will continue the grain business here.—Albert C. Lockridge, successor to L. & A.

Harrisville, Ind.—We are beginning to improve our eltr. at this point and will install the largest sheller, cleaner and elevating outfit we can buy; expect to have it completed by harvest.—Pierce Eltr. Co., Union City, Ind.

Cromwell, Ind.—The Cromwell Eltr. Co. incorporated by M. L. Hussey, E. and L. Stiefel; capital stock, \$4,000; has purchased the eltr. of Straus, Ackerman & Co.; will put in cement foundation and install mill feed and hominy machinery.

Farmersburg, Ind.—The Indiana R. R. Commission has ordered the Evansville & Terre Haute R. R. to lay a switch to the mill of the Farmersburg Mfg. Co. and the road has entered suit to escape doing so, which will be decided in the Vanderburg County Superior Court in Evansville.



Claypool, Ind.—I am remodeling my eltr.—George B. Pontius.

Culver, Ind.—We have installed a new 20-h.p. engine and a Bowsher Feed Grinder No. 8, and intend to build a concrete coal bin 110x18 and 10 ft. high. In addition to our eltr., tile and coal business we have 15,000 tons of ice to wholesale.—A. Castleman, mgr. Culver City Grain & Coal Co.

Indianapolis, Ind.—The Capital Grain Co. incorporated to conduct a general grain business and operate eltrs. here and at Fortville, Ind., with headquarters in this city; capital stock, \$20,000; directors E. B. J. A. and F. E. McComb of Indianapolis and John A. and J. M. McComb of Fortville.—F.

Indiana Harbor, Ind.—The L. S. & Mich. Sou. Ry. Co. has let the contract to the Barnett & Record Co. for the construction of 31 concrete storage tanks as an addition to the present structure, known as the Lake Shore Eltr., which contains 18 tile tanks. This enlargement will increase its capacity to about 1,000,000 bus. It is to be completed by Aug. 1 and operated by the Bartlett-Frazier Co.

Albion, Ind.—The Stiefel Grain Co. incorporated to own, construct and maintain grain eltrs.; capital stock, \$15,000; incorporators, L. and L. C. Stiefel and Isaac Straus; headquarters here; has succeeded Straus, Ackerman & Co., dissolved, eltr. operators and seed dealers here and at Avilla, Cromwell, Kimmel and Syracuse, Ind. The Stiefel Co. will install a dump in its eltr. at this point.

Townley sta., Baldwin p. o., Ind.—The iron covered eltr. of cribbed construction with ear-corn annex, under construction for the Farmers Eltr., Grain & Hay Co., will be equipped with a 25-h. p. gas engine, a Sidney Sheller, a No. 6 Monitor Cleaner, a B. S. Constant Drag, a 4-ton wagon scale and a 1,000-bu. Richardson Automatic Scale. The Burrell Eng. & Const. Co. has the contract.

## IOWA.

Akron, Ia.—Ogden Bros. have traded their eltr. for land in Wisconsin.

Maxwell, Ia.—The Farmers Eltr. Co. has let the contract for a 14,000-bu. eltr.

Minden, Ia.—Peter Ehlers is enlarging his eltr. and overhauling the building.

Tama, Ia.—Farmers have organized an eltr. company; F. O. Hunnicutt, sec'y.

Bayard, Ia.—Farmers are organizing an eltr. company. J. W. Cornish is chairman.

Parnell, Ia.—The Neola Eltr. Co. is considering building an additional store room for small grain.

Blencoe, Ia.—Eltr. of the Updike Grain Co. burned Apr. 25, also lumber and stock yards; loss, \$15,000.

Sioux City, Ia.—Chief Inspector Chas. Siman went to Chicago last week to attend his mother's funeral.

Wellsburg, Ia.—The new eltr. for J. Peters & Sons has been completed by the Younglove Const. Co.

Sioux City, Ia.—We are receiving the finest corn ever grown. None that has graded below No. 2.—Chas. Siman.

Aurelia, Ia.—The Farmers Eltr. Co. is remodeling and enlarging its eltr. Newell Const. Co. has the contract.

Alta, Ia.—The Alta Co-op. Farmers Eltr. & Supply Co. is building a 40,000-bu. eltr. Newell Const. Co. is doing the work.

Onawa, Ia.—I am the new mgr. for the Farmers Eltr. Co.—A. D. Post, formerly with George W. Post & Son, Flugstad, Ia.

Dysart, Ia.—Farmers Eltr. Co. incorporated by O. J. Kayward and R. D. Daily, F. H. Schmidt and others; capital stock, \$15,000.

Roberts sta., Fort Dodge p. o., Ia.—Lewis Mast from Otho has succeeded A. L. Julius as mgr. of the eltr. Mr. Julius has moved to Galva.

Olaf, Ia.—The Farmers Eltr. Co. will have an up-to-date, 25,000-bu. eltr. built by the Younglove Const. Co., to replace the one burned last January.

Sibley, Ia.—We are building new coal sheds with cement floors.—L. B. Spracher & Co.

Both houses of the Iowa legislature have passed the bill providing that the State Food and Dairy Dept. shall inspect scales and measures thruout the state.

Templeton, Ia.—I have been elected mgr. for the recently incorporated Templeton Farmers Eltr. Co.; expect to begin operations at once.—Dan. K. McGrath.

Britt, Ia.—W. J. Schuette of Fairview, S. D., has taken possession of the eltrs. he recently purchased from the Reliance Eltr. Co. here and at Crystal Lake, Ia.

Storm Lake, Ia.—I have bot the eltr. of the Western Eltr. Co. at this station and will operate it in connection with my house at Cherokee, Ia.—George A. French.

Badger, Ia.—We will paint our eltr. and annex at this station, cover coal shed with galvanized iron and make minor repairs.—Monarch Eltr. Co., Minneapolis, Minn.

Cherokee, Ia.—I have overhauled my eltr. here, put in a cement approach for driveway and expect to put a cement frame around my scales.—George A. French.

Clarion, Ia.—The Farmers Eltr. Co. has let the contract to the Younglove Const. Co. to remodel its eltr. and install an electric motor, new transmission, legs and head.

Ringsted, Ia.—The Farmers Grain & Produce Co. incorporated by Hans C. Christianson, Andrew Larsen, C. W. Hansen, Herman Petersen and others; capital stock, \$25,000.

Hawkeye, Ia.—Will G. Krueger will furnish information about the farmers' eltr. company in process of organization.—Theodore Schilling, mgr. Farmers Exchange Co., Charles City, Ia.

Nevada, Ia.—J. V. Storm was here last two months of 1910; then W. L. Lobaugh, pres. of the Farmers Grain Co., took charge of the eltr. until Mar. 1, when I became mgr.—F. G. Booher.

Erickson sta., Boone p. o., Ia.—The recently incorporated Farmers Eltr. Co. has let the contract to the Younglove Const. Co. for the erection of an eltr. to be completed to handle the coming crop.

Maxwell, Ia.—Farmers Grain Co. is building a 25,000-bu. eltr. of cribbed construction. A National Automatic Scale and a 6-h.p. Rockford Gasoline Engine will be installed. Newell Const. Co. has the contract.

Cedar Rapids, Ia.—L. W. Gifford has succeeded P. A. Schneckloth as mgr. for the Cedar Rapids Grain Co. Mr. Schneckloth preferred outside work, so will act as traveling representative for the company.—C. R. Grn. Co.

Dotson, Ia.—Barrett Bros. are building a 15,000-bu. eltr. of cribbed construction, to be equipped with a Howe Scale and Gasoline Engine. Newell Construction Co. has the contract.

Cedar Rapids, Ia.—The Corno Mills Co. is remodeling and enlarging its plant from 1,000 bus. to 1,500 bus. daily capacity and has installed a 600-bu. oats drying equipment made by Barnard & Leas Mfg. Co., also a sprinkler system. The company contemplates building grain storage tanks.—F. B. Theodore Kipp, mgr.

Stanton, Ia.—Since our eltr. burned Apr. 8 we purchased that of Turner Bros., of which we took possession May 4, a 15,000-bu. house with sheller and cleaner. We will install an automatic weigher soon. We also have a coal business in connection with the eltr. and handle live stock.—C. A. Wickstrom, mgr. Farmers Grain & L. S. Co.

Montezuma, Ia.—This firm will improve its eltr. by installing a new dump, steel bottom, elevating belt and cups this year and will probably build a new house next year. We are the only regular dealers here. A scoop-shovel farmer digs into the grain business whenever he has an idle day but does not cut much figure since we treat him as nicely as we know how, hoping he will become ashamed of himself.—O. C. King & Co.

Yarmouth, Ia.—The Hayes-Hemmings Co. of New London, Ia., is building a 40-000-bu. eltr. here, also mill in connection, and will install 2 legs, Sidney Corn Sheller, Barnard & Leas Cleaner, Constant Manlift, automatic and wagon scales. Newell Construction Co. has the contract.

Des Moines, Ia.—The Commercial Club of this city filed suit, Apr. 19, against the Iowa Corn Growers Ass'n for \$1,500, the outgrowth of the corn show held here last winter. The plaintiff alleges that the promoters of the show charge, as part of the expense of putting it on, items aggregating \$1,905.85, which are not rightfully a part of the expense. This includes the purchase of a safe, a typewriter, office furniture and the payment of \$1,716 to Fred McCullough of Hartwick. Plaintiff alleges that in its contract with the Corn Growers' Ass'n the club agreed to furnish the Coliseum for a week free of charge, to guarantee a sufficient number of paid admissions to defray the show's expenses and to make up any shortage not in excess of \$3,000. Prior to the opening of the show it contributed \$2,045 toward expenses. Total receipts amounted to \$3,210.92 while legitimate expenses were \$6,922.63. It asks that the C. G. Ass'n be compelled to make settlement.

## KANSAS.

Cimarron, Kan.—We have sold out.—C. R. Rixon of the A. Aitken Grain Co.

Smith Center, Kan.—H. D. Pratt & Son have purchased the mill of Paris & Haskell.

Luray, Kan.—I am out of the grain business.—C. M. Ramsey, former agt. Western Star Mills Co.

Elmer sta., Bernal p. o., Kan.—The Hutchinson Mill Co. is building an eltr. on the Mo. Pac.

Harper, Kan.—E. J. Hoisington has taken charge of the eltr. on the Orient track to open it at once.

Fowler, Kan.—J. C. F. McCauley is building a 50,000-bu. re-inforced concrete eltr. using his own plans.

Voda sta., Wakeeny p. o., Kan.—John Jones will equip his new eltr. with a Hall Signaling Grain Distributor.

Kansas City, Kan.—We will probably incorporate for \$50,000.—Greeley A. Jones, proprietor Northwestern Eltr.

Zenith, Kan.—The Zenith Grain, L. S. & Merc. Co. has engaged me as mgr. for another year with increased salary.—J. A. Falen.

Plevna, Kan.—Farmers organized a company Apr. 29, to build an eltr. S. C. Davidson is pres.; Pliny T. Snyder, sec'y; G. W. Pew, treasurer.

Ellsworth, Kan.—We have let the contract to the P. H. Pelkey Const. Co. to remodel our house here.—H. Work, pres. Ellsworth M. & Eltr. Co.

Stuttgart, Kan.—The Stuttgart Eltr. Co. has let the contract to G. H. Birchard for the construction of a 20,000-bu. ironclad eltr. with concrete hoppers.

Clay Center, Kan.—The Snell Mfg. Co. is building a large lumber house, in which it will install an electric motor and machinery for handling grain for storage.

McPherson, Kan.—Colburn Bros. are rebuilding their plant burned Mar. 8. The mill is of concrete construction. The two grain storage tanks are nearing completion; 115 ft. high, 30,000 bus. capacity each.

Bunker Hill, Kan.—Our contract with the Pelkey Const. Co. calls for the erection of a 20,000-bu. eltr. here with office and flour warehouse.—H. Work, pres. Ellsworth M. & Eltr. Co.

Pollard, Kan.—The N. Sauer Mfg. Co. has let the contract to Morley Bros. Hayden & Plott for the erection of an 8,000-bu. eltr. to be covered with galvanized iron and galvanized iron shingles on roofs.

Herington, Kan.—The eltr. of the Robert T. Ray Grain Co. burned early in the morning of May 1; loss total, \$10,000. As the machinery was operated by electricity, defective wiring is the supposed cause. Before the fire was over Mr. Ray stated the house would be rebuilt immediately.



Wichita, Kan.—Kansas railroads have agreed to make the same minimum weights for shipments of grain to this city as apply to other markets outside the state.

Topeka, Kan.—Dr. J. S. Crumline, sec'y of the state board of health and chief food inspector, is investigating the mixing of grades of grain, as No. 1 with No. 3 after scouring the low grade and selling the mixture as No. 2. He rules that, under the Kansas law, food material must be sold for what it actually is and that any system by which it is mixed without being branded as such, is a violation of the pure food laws. He has been waiting for the state grain grading commission and the chief inspector to stop the misgrading of grain, and is considering starting such action in his department.

Pittsburg, Kan.—The Pittsburg Eltr. Co. is building a complete fireproof boiler and engine house that will so materially reduce insurance we estimate the amount saved on insurance will pay for the building in less than four years. We have also completed a new storage eltr. for ear corn and have installed a dump and conveying machinery for removing the corn from the new storage to the main mill, in which various improvements have been made, including a new Cyclone Dust Collector, new drives, a number of new eltrs. and other minor improvements in machinery.—A. L. Scott, pres. Pittsburg Eltr. Co.

The following have been admitted to membership in the Kansas Grain Dealers Ass'n since Jan. 1: E. W. Koenke, Bremen, Neb.; Bottinger & Son, Highland, Kan.; Arthur & Conlee, Beatrice, Neb.; O. Vanier, Fairbury, Neb.; Pauline Grain & Supply Company, Pauline, Neb.; H. W. Ellemier, Plymouth, Neb.; Charles Germier, Plymouth, Neb.; Ernst Lewerenz, Lincolnville, Kan.; French-Noll Grain Company, Hutchinson, Kan.; George B. Harper, Silverlake, Kan.; Edmisson Brothers Grain Company, Englewood, Kan.; J. Jacobson, Formosa, Kan.; J. M. Black, Lebo, Kan.; E. M. Stull, Palco, Kan.; James R. Barker & Company, Raymore, Mo.; R. E. Harrington, Baker, Kan.; A. G. Burrell, Belvidere, Neb.; Juniata Gr. & L. S. Association, Juniata, Neb.; J. J. McCleery, Pauline, Neb.; Wallingford Bros., Wichita; and Perry Frazier, Chapman, Kan.—E. J. Smiley, sec'y.

Kansas City, Kan.—The Rock Island R. Co. filed answer in the supreme court of Kansas, Apr. 25, to the suit recently brot by Attorney General Dawson against a number of Kansas railroads and Kansas City eltrs. to compel the railroads to collect the inspection and weighing fees for grain shipped from Kansas points to Kansas City, under the new grain inspection law. The R. I. Co. attacks the constitutionality of this law, declares that the eltrs. are private instead of public, that the shipments of grain are interstate and "denies that inspection and weighing of grain, as attempted by the Kansas state grain department, is necessary for the protection of producers and shippers of grain, or for the general public, or that such inspection is necessary to insure the stability of grain markets, or prevent fraud and imposition upon grain producers and shippers, and alleges that the attempted inspection of the Kansas state grain department is neither disinterested, fair nor competent; that the fees charged are unlawful, unreasonable and exorbitant; that the inspectors and weighmasters are incompetent and unfair, and that the attempted inspection and weighing of grain by the Kansas state grain department is not only without any benefit to grain producers and shippers of Kansas, but is attempted over their insistent objection, as it places an unreasonable and unjust burden on the agricultural interests of Kansas, and upon grain producers and shippers in particular." This was followed by an intervening petition filed Apr. 29 by the Kansas Grain Dealers Ass'n, whose officers, directors and 320 members operate 500 grain eltrs., 72 of which are farmers' eltrs., with a total membership of about 4,000 farmers vitally interested in the case.

Wichita, Kan.—Officers and committees of the Board of Trade are busy with preparations for their entertainment of Kansas and Oklahoma grain dealers, June 6-7; a banquet is scheduled for the evening of the 7th.

In reply to inquiry concerning the truth of the press reports that Sec'y Smiley of the Kansas G. D. A. became so seriously ill while in Grand Island, Neb., recently that it was impossible to bring him home on the train, he writes: "While in Grand Island territory I had a chill and was sick two or three days after my return, but did not consider it serious enough to call a physician."

Waverly, Kan.—The report that the Star Grain & Lbr. Co. has started construction on an eltr. replacing the one recently burned is erroneous, as we had no eltr. at this point. What really happened was this: A fire in our lumber yard here, Mar. 20, burned about two-thirds of the lumber yard buildings and stock therein, but in no way affected our grain business.—C. A. Smith, pres. Star Grain & Lbr. Co., Wells-ville, Kan.

Harper, Kan.—The Harper M. & Eltr. Co. has filed suit against the Millers Mutual Fire Insurance Ass'n for \$10,000, alleging that it held insurance policies on property destroyed by fire, which the defendant refuses to pay. Officials of the insurance company charge that the Eltr. Co. violated the rules by taking a light into a place where it was forbidden, which freed the insurance company from any responsibility for the resulting fire.

Wichita, Kan.—At the recent meeting of the Board of Trade with D. R. Gorden, chief grain inspector of Kansas, called to discuss grain inspection in this city, with which local grain men are dissatisfied, members of the Board said they wanted rigid inspection and produced evidence to show that it is not always uniform here, as the deputy inspectors do not agree sometimes in cases of re-inspection. They passed a resolution notifying Mr. Gorden "that there should be a change in inspectors in Wichita." He promised to try to relieve the situation.

Topeka, Kan.—The new Kansas grain inspection law, intended to increase the revenues of that department, is working out the opposite. During March the state grain inspection department's expenses aggregated \$2,900.96 while its receipts only amounted to \$1,369.60, which left many of that department's employees waiting for wages. Expenses remain about the same as for previous months but collections are materially lower. In December the collections aggregated \$2,505.21; in January, \$2,000; Feb., \$1,979.65. The drop is not due to the season of the year, since in March of last year the collections aggregated \$2,224.60, but is due to the refusal of many of the big commission firms at Kansas City to have grain inspected or weighed by the Kansas inspection department because of the increase in the fees charged for each car of grain.

## KENTUCKY.

Dycusburg, Ky.—Cassidy & Dewey have installed a new wheat cleaner and I think they intend overhauling their plant.—M. B. Charles.

Louisville, Ky.—Washington Flexner, recently expelled from the Chicago Board of Trade for bucketing, was expelled from the Louisville Stock Exchange, May 8, for violation of rules.

Waverly, Ky.—The grain warehouse owned by J. E. Johnson of Waverly burned Apr. 22, with a quantity of wheat and corn owned by Lee Redford of Morganfield; loss \$12,000, insured. Fire was caused by sparks from a passing engine falling on the roof.

## LOUISIANA.

Abbeville, La.—The Planters Rice Mill Co. has let the contract for the erection of a two-story brick warehouse, 150x165 ft., to cost \$13,000 and have storage capacity for 100,000 bags of rough rice.

Baton Rouge, La.—James Barracks has purchased an interest in the Baton Rouge M. & Eltr. Co. and has moved here. A. J. Barracks of Franklinton, La., will investigate the property and may locate here, as the company intends to build a corn mill.

Crowley, La.—The U. S. Rice Mfg. Co., which operates a plant here and one at Eunice, has joined the Louisiana State Rice Co. recently organized to buy clean rice from the mills and sell it thru one channel. Some twenty firms now belong to it.

Crowley, La.—The rice experiment station here has planted more than 200 varieties and intends to plant more. The officials are planning to report at the end of the year on results achieved in the eradication of red rice, fertilizing and growing of diversified crops.

New Orleans, La.—Shipments of grain during the eight months prior to May 1 included 113,175 bus. of wheat and 5,866,296 of corn; compared with 1,156,395 bus. of wheat and 5,039,888 bus. of corn exported during the corresponding months of the previous year.—W. L. Richeson, chief grain inspector Board of Trade.

## MARYLAND.

### BALTIMORE LETTER.

Following the reduction of the rate from Buffalo to Baltimore on ex-lake wheat for export, directors of the Baltimore Chamber of Commerce have petitioned the railroads terminating at that point to make the same proportionate reduction on corn.

Harbor Engineer Lackey, of the city of Baltimore, has suggested a belt line at Baltimore, somewhat on the order of the belt lines so successfully operated in many other cities with two or more railroad terminals.—C.

Baltimore shippers have by no means given up their fight for lower switching rates in the city; they seem more determined than ever to get flat rates from the railroad companies of from \$1 to \$7 per car, the charges on single cars at present being often as high as \$30 or \$40.—C.

Edward L. Quarles, sec'y of the Southern Commercial Congress, headquarters Washington, D. C., has been appointed publicity agent—"booster" for the city of Baltimore and will assume his new duties on May 15. Mr. Quarles is regarded as one of the ablest publicity men in the country.—C.

## MICHIGAN.

Allegan, Mich.—The Stanley Hay Co. is a scoop shoveler.

Fairfield, Mich.—Jasper Grain Co. incorporated; capital stock, \$15,000.

Pinckney, Mich.—Hoyt Bros. have succeeded J. M. Peters.—Thos. Read.

Vermontville, Mich.—Chas. A. Anderson has succeeded Anderson & Gearhart.

Leonidas, Mich.—We are building new coal bins and a hay house.—White Bros. & Co.

Sandusky, Mich.—Construction has been started on the new eltr. for the Farmers Co-op. Eltr. Co.

West Bay City, Mich.—The Bay City Mfg. Co. will install a Hall Signaling Grain Distributor in its eltr.

Pavilion, Mich.—We will rebuild our eltr. here, put in a cleaner and scales and enlarge the hay house.—White Bros. & Co.

Scotts, Mich.—We intend soon to install a larger receiving separator and hopper scales in our eltr. here.—White Bros. & Co.

Climax, Mich.—We recently purchased a hay house and will do a general hay business here in the future.—White Bros. & Co.

Detroit, Mich.—Detroit millers and grain men are making preparations to entertain the Fraternity of Operative Millers in this city June 5-10. The meetings, as well as the Miller's Industrial Exposition, will be held in the Wayne Pavilion.—B.



Casnovia, Mich.—I will not rebuild my mill burned in Feb.—V. Arrowsmith, proprietor Casnovia Mlg. Co. now out of business.

East Le Roy, Mich.—We intend to build a new hay house here. We have added wool to our line.—White Bros. & Co., Scotts, Mich.

Oakley, Mich.—I am out of the grain business at present but still own the eltr. at this point, which I rent to L. C. Hall.—A. L. Nichols, Owosso, Mich.

Pewamo, Mich.—G. S. Young of Alma, Mich., has taken his son, G. W. Young, who lives here, into partnership under the firm name of G. S. Young & Son.

Stockbridge, Mich.—The Stockbridge Eltr. Co. has installed a new 25-h. p. Fields-Brundage Engine and is making other needed improvements.—C. L. Bowditch, mgr. S. Eltr. Co.

Owosso, Mich.—Chandler & Barrett have not been in business for about a year. Mr. Barrett now belongs to the firm of Botsford & Barrett in Detroit and I am engaged in other lines. Fred Welch now owns and occupies the Barrett eltr. and does the main eltr. business at this point.—A. L. Chandler.

Pottsville, Mich.—Will H. Marshall, who recently succeeded C. L. Bowditch as local mgr. for the Stockbridge Eltr. Co., was married recently to Miss Iva Casey, a school teacher. They surprised their friends by going to Detroit for that purpose on a Saturday morning when few knew their errand.

Jackson, Mich.—The case of the Stockbridge Eltr. Co. vs. Robt. Booth of Dryden, tried in justice and circuit court at Lapeer and appealed to the supreme court, has again been decided in favor of the plaintiff and a judgment ordered for full amount with costs and interest, to cover loss caused by a car of rye misgrading. The case has been in the courts some years.

## MINNESOTA.

Little Falls, Minn.—We will install new coal scales.—Monarch Eltr. Co.

Thielman, Minn.—We have put new dump scales and a leg in this eltr.—R. E. Jones & Co.

Duluth, Minn.—Consolidated Eltr. D has been equipped with a feed mill to grind screenings.

Lake Wilson, Minn.—Joseph Nett has purchased the eltr. of Reinke Bros. to take possession July 1.

Sherburn, Minn.—A. D. Packard & Son have purchased the eltr. and business here of the Gt. Western Eltr. Co.

Mankato, Minn.—The eltr. of Byrnes Bros., damaged by fire recently, has been repaired and is again in operation.

Waseca, Minn.—Everett, Aughenbaugh & Co. are having another story added to their mill by the Haglin-Stahr Co.

Cannon Falls, Minn.—We have installed new dump scales and leg and have a new coal yard at this station.—R. E. Jones & Co.

Ortonville, Minn.—Stockholders of the Farmers Eltr. Co. held a meeting May 6 to consider plans for rebuilding their eltr. and erecting a storage house for feed and flour.

Bird Island, Minn.—We intend to make some repairs on our eltr. The Crown Eltr. Co. has closed its house here for the season.—Ross Knutson, Knutson & Tinnies Grain Co.

The new law penalizing railroads for failure to make prompt settlement of shippers' claims, known as the Klein bill, went into effect May 1. Its provisions were explained in this column Apr. 25.

Sleepy Eye, Minn.—R. H. Bingham, a pioneer business man well known in this part of the state, died of a paralytic stroke May 5, aged 63. He came here in the early sixties and dealt in grain, fuel, lumber and hardware. He is survived by a widow and five sons.

Wadena, Minn.—We will build a new coal shed.—Monarch Eltr. Co.

Burr, Minn.—The Western Eltr. Co. will make some improvements at Burr this year and intend to install a gasoline engine.—Charles Davin, mgr. Burr Farmers Eltr. & Supply Co.

Zumbro Falls, Minn.—Ralph Theison has succeeded me as local agt. for the Western Eltr. Co. I have temporarily left the grain business.—J. E. Boehlke, sheriff of Wabasha County, Wabasha, Minn.

Clara City, Minn.—The C. C. Farmers Eltr. Co. recently built a commodious annex to its eltr. office to be used as a directors' room and manager's private office; also bot a new 2-ton safe. Its business has so increased further improvements are under consideration.

Winnebago, Minn.—During a recent night storm lightning struck the eltr. of C. A. Nachbar. It entered at the cupola and ran down to the bottom of the eltr.; damage covered by insurance. Mr. Nachbar discovered it when he unlocked the eltr. door next morning.

Milroy, Minn.—The Milroy Farmers Eltr. Co. has bot out the Sleepy Eye Mlg. Co. at this station and now has two eltrs. here, one of 30,000 bus. capacity, the other of 20,000. In the past eight months it has handled nearly 200,000 bus. with one eltr.—Theo. Blake, sec'y and mgr.

New Ulm, Minn.—The Eagle Roller Mill Co. has had the Zeleny Thermometer System installed by the Western Fire Appliance Works in 19 new tanks which have 12 readings every 10 ft. apart, thus enabling owners to know condition of grain in their tanks at any time without going outside the office where the reading instrument is located, about 600 ft. from the farthest tank.

Tyler, Minn.—The recently organized Tyler Grain & Feed Co. has bot the eltr. of the Atlas Eltr. Co. and will retain Mr. Reinholdt as buyer. The firm is composed of Hans Christensen, John Donovan, H. G. Schwartz, and Mat Glemmestad who is an experienced grain buyer and will act as mgr. of the company. They took over the property Apr. 26, have opened it for business and will handle grain, seeds and coal.

Duluth, Minn.—The firm of Spencer, Moore & Co., composed of George Spencer and Watson S. Moore, has been dissolved and the W. S. Moore Grain Co. has been organized with Watson S. Moore, pres.; Jessie T. Moore, v. pres., and Edward A. Forsyth, sec'y-treas.; incorporated Apr. 29; capital stock, \$50,000. Mr. Forsyth was with the other firm many years. Mr. Spencer will be associated only with the Consolidated Eltr. Co.

Members of the R. R. and Warehouse Commission have stated that nothing will be done for a time with the new law that goes into effect July 1 and establishes a department of weights and measures under their control, as the commission is now occupied with express rate cases. The law requires the testing of scales at least once a year and provides penalties of \$20 to \$100 in fines or imprisonment of 10 to 90 days, with costs of proceedings, for not complying with its provisions.

## MINNEAPOLIS LETTER.

John W. McClatchie has sold his interest in the grain firm of E. L. Welch & Co. and will move to Medford, Ore. He has been identified with the Minneapolis grain trade 22 years and a member of the Chamber of Commerce 15.

The McIntyre-Frerich Co. has moved to the offices of the T. M. McCord Co. in the Chamber of Commerce and has transferred its commission and shipping business to the Merchants' Eltr. Co. Mr. McIntyre has joined that organization, of which he is sec'y. and will give his entire time to that branch of the business as heretofore. Mr. Frerich will continue the management of the country houses they formerly operated, as their eltr. business was not included in the transfer.

George E. Hokanson, mgr. of the Hector Eltr. Co., Hector, Minn., has applied for membership in the Minneapolis Chamber of Commerce.

T. M. McCord & Co. have installed an Automatic Hot Journal Alarm System in the Merchants Eltr. furnished by the Western Fire Appliance Wks.

Monroe K. Fowler, assistant treas. of the St. Anthony & Dak. Eltr. Co., has severed his connection with that company, with which he has been associated ten years, to become a director in a furniture and carpet firm.

No action is contemplated by the Minneapolis Chamber of Commerce to deprive small towns of the privilege of operating thru this exchange by eliminating private wires, as was done by the Chicago Board of Trade when it shut off towns of less than 25,000 population. Conditions here, being less complicated, do not call for any such radical change, Sec'y McHugh states.

The transfer of its shipping business to the Merchants' Eltr. Co. gives the McIntyre-Frerich Co. the benefit of the Merchants' facilities for handling barley and oats, fireproof storage, rapid transfer thru its 500,000-bu. coarse grain eltr. capable of handling 60 cars daily with a capacity of 90 cars on its private tracks and specially prepared to handle barley without danger of wheat mixtures.—H. D. McCord, pres. Merchants' Eltr. Co.

Members of the Chamber of Commerce interested in baseball met in the smoking room, Apr. 28, to plan for the coming season. R. J. Johnstone was elected mgr.; F. B. Beaupre, sec'y-treas. A game has been arranged with the Chicago Board of Trade team, to be played in that city July 29. As the team here is to be limited to members of the Chamber of Commerce, they are considering buying a membership for Rube Waddell if necessary to cope with the Windy City team. Surplus proceeds of games will be given to charity as last year.

Guarantee of the expenses of the National Corn Show Ass'n, which was invited to hold its 1912 exposition in Minnesota, will be asked of the chief cities in the state. This was decided upon at the meeting in Minneapolis, Apr. 24, with Sec'y G. H. Stevenson and H. H. Bigelow of the Corn Show Ass'n, Louis Betz of the St. Paul Commercial Club, C. W. Glotfelter of the Minnesota Field Crop Breeders Ass'n, Gov. Eberhart and other representative men. A committee was appointed to obtain the support of the state at large and to report after two weeks to representatives of the Corn Show Ass'n what it can offer. Of the \$40,000 desired only a few hundred are required to start and probably not more than \$15,000 until the opening of the exposition. About \$6,000 will be needed to build a frame annex to the armory in Minneapolis.

## MISSOURI.

Auxvasse, Mo.—The Auxvasse Mlg. Co. will erect a small eltr. before harvest.—Wm. Pollock Mill & Eltr. Co.

Corning, Mo.—I expect to overhaul my eltr. here as I expect a good big business during the coming year.—F. W. Walter.

Grain Valley, Mo.—The Grain Valley Lumber & Grain Co., incorporated; capital stock, \$5,000; incorporators, S. L. Luttrell, W. E. Luttrell and S. M. Turner.

Eldorado Springs, Mo.—Eldorado Milling & Grain Co., incorporated, capital stock, \$10,000; incorporators, William H. Anthony, Millie A. Anthony, T. E. Eddlemore and others.

## KANSAS CITY LETTER.

The manipulation in the Chicago market has furnished us a market for some of our elevator wheat.—Beach Grain Co.

The Kansas State bank, which holds a \$5,000 note of the Perry C. Smith Grain Co., applied to the circuit court recently for permission to sell 5,990 bus. of wheat held in the Rock Island eltr. The bank asserted that if the grain were held any longer it would decrease in value.



The membership in the Board of Trade of James R. Ness has been transferred to Clarence M. Hardenbergh, the new mgr. of the Southwestern Milling Co.

A verdict has been rendered in favor of Houston, Fible & Co. for \$2,431.25 for transactions in the grain market for Ola Wilhite of Tulsa, Okla., and which the defendant refused to pay, claiming immunity under the Missouri statute which declares that dealing in margins is gambling. At one time, Wilhite is said to have been \$4,000 ahead of the market, but he allowed the deal to run until he became indebted to the brokers to the amount sued for.

Harry C. Nunn has resigned as Chief Grain Inspector of Missouri to become manager of the Missouri-Kansas Eltr., in the management of which irregularities were revealed following the failure of the Perry C. Smith Grain Co. M. C. Fears, formerly deputy inspector in charge of the St. Louis office, will succeed Mr. Nunn. R. P. Thompson, who has been an assistant inspector at Kansas City, will take Mr. Fears' place at St. Louis. The appointment becomes effective May 10.

Receipts of grain at Kansas City during April included 697,200 bus. of wheat, 1,471,200 of corn, 375,700 of oats, 77,000 of barley and 4,400 of rye; compared with 1,053,800 bus. of wheat, 1,210,950 of corn, 312,000 of oats, 5,500 of barley and 2,200 of rye received in April, 1910. Shipments during the month were 1,435,200 bus. of wheat, 1,171,200 bus. of corn, 260,100 of oats, 78,400 of barley and no rye, as against 970,200 bus. of wheat, 1,520,300 of corn, 373,500 of oats, 5,500 of barley and 1,100 of rye shipped during the corresponding month of 1910.—E. D. Bigelow, sec'y Board of Trade.

#### ST. LOUIS LETTER.

Thomas Buchman of the Buchman Feed Co. has made application for membership in the Merchants' Exchange.

Geo. H. Braun, founder, with Geo. Lang of the Braun-Lang Commission Co. and in the grain business for many years, died recently following a stroke of apoplexy.

The Merchants Exchange has vigorously protested against the removal of the Merchants Exchange postal substation to the old Custom House at Third and Olive sts.

The Jno. S. Metcalf Co. has been awarded the contract to reconstruct the Burlington Elevator which was wrecked by the wind-storm of April 13. The cupola will not be so large as formerly.

Eugene C. Dreyer, of the Dreyer Commission Co., and W. K. Stanard, vice-pres. of the Stanard-Tilton Mfg. Co. were initiated into the St. Louis Grain Club recently at the Mercantile Club. The club was addressed by John L. Messmore and several others.

The case against Patrick A. Stephens, charged with running a bucket-shop, has been dismissed. Stephens has, however, been held with Frank J. Miner for contempt of court for the alleged violation of an injunction restraining the Merchants Stock & Grain Co. from using the quotations of the Chicago Board of Trade pending the decision in the case brought against the brokerage company by the Board of Trade for getting the daily quotations of the exchange in some unknown way and using them to the detriment of the Board of Trade.

The Hubbard & Moffitt Commission Co. has brought suit against Thomas Cochrane Grain Co. for \$8,729.57 alleged to be due on account. Plaintiff claims that defendant operates elevators at Emerald, Cheney, Saltillo and Roca, Neb.; that on Apr. 12, 1909, the business of Thomas Cochrane was consolidated with that of Manning W. Cochrane; that Thomas W. Cochrane put nothing into the partnership outside of the assets of the old company, for which he received \$50,000 of capital stock. Plaintiff further charges that on the request of defendant, the defendant became indebted to plaintiff in the sum of \$4,596.54; that defendant was loaned \$42,000, and during the transaction became further indebted in sum of \$604.69. The defendant has paid \$38,471.66 on account, leaving a balance of \$8,729.57.

E. L. Bartlett, of the Bartlett Commission Co., for whom I have been operating the Eureka Eltr. and Warehouse for the last 10 yrs., is retiring from business. P. L. Zimmerman, who was formerly connected with the Bartlett Commission Co., and myself have purchased the Wright City Mills at Wright City, Mo., and will operate as the Wright City Mfg. Co. We are making extensive alterations in the plant.—C. H. Nesmith.

Receipts of grain at St. Louis during April included 1,066 sacks and 723,800 bus. of wheat, 7,246 sacks and 1,416,000 bus. of corn, 250 sacks and 1,596,301 bus. of oats, 92 sacks and 8,800 bus. of rye, and 258 sacks and 43,400 bus. of barley, compared with 2,747 sacks and 543,000 bus. of wheat, 3,416 sacks and 1,765,500 bus. of corn, 1,238,400 bus. of oats, 48 sacks and 27,000 bus. of rye, and 61,000 bus. of barley during April, 1910. Shipments during the month were 857,220 bus. of wheat, 11,335 sacks and 880,670 bus. of corn, 23,540 sacks and 876,180 bus. of oats, 11,430 bus. of rye and 13,960 of barley; against 400 sacks and 804,340 bus. of wheat, 17,310 sacks and 1,634,880 of corn, 23,775 sacks and 724,520 bus. of oats, 31,050 of rye and 7,200 bus. of barley shipped during April, 1910.—Geo. H. Morgan, sec'y Merchants Exchange.

### MONTANA.

Lewistown, Mont.—The Western Grain & Lbr. Co. has sold its lumber yard to the Rogers Lbr. Co.

Bozeman, Mont.—The Gallatin Valley Mfg. Co. will build an eltr. here and also at Hot Springs, Boulder p. o., Salesville and Camp Creek, Manhattan p. o., Mont.

Hardin, Mont.—J. W. Denio Mfg. Co. will erect a 10,000-bu. eltr., to be on concrete foundation, iron clad, and equipped with 12-h. p. engine and feed mill. G. H. Birchard has the contract.

Glengarry, Mont.—The Farmers Eltr. Co., of Moore, Mont., will erect an eltr. of 23,000 bus. capacity here. Work will commence June 1 and it is thought it will be completed in time for the fall crops.

Billings, Mont.—John Small of the Gast Mill at the Crow Agency has brought suit against W. H. McCormick charging that the defendant sold him 60,000 lbs. of seed wheat which did not grade up to the samples furnished and that the wheat, the major part of which was intended for seed, was delivered too late to be of use to the purchaser.

Great Falls, Mont.—Work upon the 240,000-bu. addition to the eltr. of the Royal Mfg. Co. has been completed. The addition consists of 8 concrete tanks each 110 ft. high and resting upon 22 ins. of concrete. It is equipped with 12-in. spiral steel conveyors and steel boxes and arranged with automatic counter-weighted discharge gates which are controlled by cables from the workfloor, making it possible to set the conveyor to discharge to any tank from the ground floor of the eltr. A similar conveyor draws the grain from the tanks. The steel spouts have gates which can be set to regulate the flow of grain. L. O. Hickok & Son had the contract.

### NEBRASKA.

Hastings, Neb.—C. J. Miles has been elected mayor.

Straussville, Neb.—A sidetrack has been laid to the eltr. of the Farmers Eltr. Co.

Danabrog, Neb.—The Farmers Eltr. Co. has bot the eltr. of the Omaha Eltr. Co.—S. E. Sorensen.

Crete, Neb.—John Rothmuller has bot the coal and grain business of the Ewart Grain Co.—B. F. Beckel.

York, Neb.—F. V. Van Wickle, pres. of the Van Wickle Grain & Lumber Co., has been chosen as mayor.

Prosser, Neb.—The Verona Grain & Lbr. Co. will install a 1,500-bu. Avery Automatic Scale, a Barnard & Leas Separator, a Hall Distributor and a manlift. I. J. Herring has the contract.

Cadams, Neb.—The Cadams Alfalfa Mill was burned recently with a loss of \$20,000 with insurance of \$12,000.

Hooper, Neb.—The eltr. of Henry Roberts has been leased to the R. E. Roberts Eltr. Co., of Arlington, Neb.

Eustis, Neb.—C. J. Miles, of Hastings, is contemplating the construction of an eltr. here to replace the one burned.

Rosalie, Neb.—The Farmers Grain Co. has installed a 10-h. p. engine and will rebuild its coal sheds.—C. Vincent.

Oakland, Neb.—Chas. E. Ohlsen has been succeeded by Ed. V. Anderson as mgr. of the Farmers' Grain & Supply Co.

Nebraska City, Neb.—The plant of the Great Western Cereal Co. is being dismantled and moved to Fort Dodge, Ia.

Kenesaw, Neb.—The eltr. of the J. M. Sewell Co. is being equipped with a separator, automatic scale and an engine.

Crete, Neb.—The Crete Grain & L. S. Ass'n will install a combined sheller and cleaner. G. H. Birchard has the contract.

Tilden, Neb.—The recently incorporated Co-operative Grain Co. has bot the eltr. of the Tilden Eltr. Co., paying \$9,250; possession, May 10.

Lincoln, Neb.—I have reopened offices here in the Brownell Bldg. and will do a general brokerage business.—A. R. Roberts, W. L. Green Commission Co.

Lincoln, Neb.—We have leased our eltrs. at Stromsburg, McCool Junction and Lush-ton to the Van Wickle Grain & Lbr. Co., of York, Neb.—Foster Grain Co.

Elyria, Neb.—The Farmers Grain Co. has installed an Alamo Engine in the eltr. here which they recently purchased from the W. T. Barstow Grain Co.—C. Vincent.

Freemont, Neb.—The Nye-Schneider-Fowler Co. has increased its capital stock to \$500,000. It is said that the matter has no bearing on the rebuilding of its eltrs. recently burned.

Gothenburg, Neb.—E. G. West has awarded the contract to G. H. Birchard for the erection of a 20,000-bu. iron clad eltr. to be equipped with a Barnard & Leas Separator, a 1,000-bu. automatic scale and electric power.

Freemont, Neb.—Damages to the amount of \$1,248 have been awarded to Carl Johnson, who sued the Nye-Schneider-Fowler Co. for \$5,000 for injuries sustained in a fall from one of the company's buildings a year ago.

Lincoln, Neb.—The item in this department last issue was misleading regarding the scope of the Ollis bill recently enacted. The law makes no reference to the use of the protection clause (sometimes erroneously called penalty clause) used by some co-operative companies. The new law differs from the old law chiefly in one clause that confers broad powers of control on the directors of co-operative companies. This clause is one of those enumerating the powers given, and reads as follows: "to make bylaws for the management of its affairs, and to provide therein the terms and limitations of stock ownership and for the distribution of its earnings." Many so-called "co-operative" concerns are not really "co-operative," there being nothing to distinguish them from the ordinary corporation, either in their government or in their manner of conducting business. The new law defines a co-operative concern as one that "authorizes the distribution of its earnings in part or wholly on the basis of, or in proportion to, the amount of property bought from, or sold to members, or of labor performed, or other service rendered to the corporation." It will be seen that a company is not "co-operative," within the meaning of Nebraska law, unless it recognizes in its charter or in its bylaws, the source of the profits when it distributes those profits. When its bylaws provide for such recognition, the company is classed as "co-operative" and it is accorded greater powers in the management of its affairs than is granted to the ordinary corporation.—C. Vincent.



Edgar, Neb.—The Farmers Commercial Ass'n has let the contract to G. H. Birchard for the construction of a 15,000-bu. eltr. and will remodel their old eltr. and install a Barnard & Leas Separator and a 1,000-bu. automatic scale.

Deweese, Neb.—The eltr. which the Foster Grain Co. is erecting here is one which was formerly operated by the Lincoln Grain Co. at Benedict, Neb., and which was dismantled and brot here. A. R. Hicks will be the mgr.—Foster Grain Co.

Hebron, Neb.—H. H. and R. J. Sisson have sold their interests in the Hebron Grain Co. to Leo G. Hayes and Arthur Wagner. The firm will continue under the same name and be conducted by Geo. H. Hayes, Leo G. Hayes and Arthur Wagner. H. H. and R. J. Sisson will move to Palacios, Tex., where they will engage in the warehouse business.—Hebron Grain Co.

A law for the testing of grain in Nebraska has been passed and will become effective July 7. This law provides that any grain sold or purchased in the state, the grade of which is determined by weight, shall be tested by taking a vertical section of such grain from the top to the bottom of the bin or wagon, the whole to be used in making the test. A fine of from \$5 to \$100 is the penalty provided for violations of this rule.

## OMAHA LETTER.

The Nordstrom-Richter Grain Co. has succeeded the E. A. Nordstrom Grain Co.

The project of building a Commercial Club and Grain Exchange Bldg. has been revived.

The membership of L. T. Sowle in the Grain Exchange has been transferred to Geo. O. Somers.

Judgment has been awarded to J. Sidney Smith & Son of Kansas City, Mo., for \$7,000 for grain in cars which was destroyed while on a siding at the Maney mill a year ago. The Chicago Great Western denied a refund to the carrier claiming that the grain was delivered and out of its hands when placed on the eltr. siding.

Grain receipts at Omaha during April were 381,600 bus. of wheat, 867,600 of corn, 538,900 of oats, 567,000 of barley and 11,000 of rye; compared with 178,800 bus. of wheat, 1,706,100 of corn, 289,600 of oats, 23,000 of barley and 6,000 of rye in April, 1910. Shipments during the month included 422,000 bus. of wheat, 1,298,000 of corn, 795,000 of oats, 101,000 of barley and 8,000 of rye against 211,000 bus. of wheat, 2,158,000 of corn, 556,500 of oats, 7,000 of barley and 8,000 of rye in April, 1910.—F. P. Manchester, sec'y Grain Exchange.

## NEW ENGLAND.

Barre, Mass.—Wm. F. Tay, a prominent grain dealer, died recently.

Portland, Me.—A. B. Ames, a local grain dealer, suffered a loss by fire of \$6,000.

Taunton, Mass.—The Taunton Grain Co. has taken over the grain business of Bliss & Co.

Shelton, Conn.—J. A. Birge Co., inc.; capital stock, \$20,000. John A. Birge and others; deal in hay, grain, etc.

Augusta, Me.—The Fuller-Holway Co. has purchased the business and property of the B. F. Parrott Co. The building of the B. F. Parrott Co. will be remodeled and a grain eltr. erected.

Portsmouth, N. H.—H. E. Philbrook & Co. have purchased the property of the Southern Maine Steamship Co., consisting of two brick three-story buildings, two wooden buildings and docks in the Piscataqua river, paying \$24,950.

Boston, Mass.—Concerning the reduced rate of 4½c on ex-lake corn from Buffalo to Boston, G. W. Eddy said: "This reduction will enable Boston to compete with Montreal during the open season. On account of the shortage of the Argentine crop it is expected that exports of corn will be larger than those of wheat during the season of lake navigation and much larger than for a few years."

## NEW JERSEY.

Newark, N. J.—The E. O. Fitzpatrick Co., incorporated; capital stock, \$125,000, to deal in hay, grain, feed, malt, etc.; incorporators: E. O. Fitzpatrick, A. Galm and H. Hamberger.

## NEW YORK.

New York, N. Y.—Benj. F. Schwartz will handle the "future" grain trades for King, Farnum & Co.

New York, N. Y.—The Central Feed Co., incorporated, capital stock, \$100,000; to manufacture and deal in grains and feed for cattle; incorporators: W. Lowe, E. Lowe and others.

New York, N. Y.—A petition in bankruptcy has been filed against the firm of Chas. L. Rickerson's Sons, with assets scheduled at \$3,000 and liabilities at \$14,000. Edwin M. Cox has been appointed receiver.

Oneonta, N. Y.—Creditors of the Oneonta Mfg. Co. have asked for a distribution of assets as a first dividend. Others have objected to this, claiming that the Oneonta Mfg. Co. and Durant & Elmore and the business conducted in Chicago by Elmore were one and the same. The referee refused to permit the payment of any dividends until the number of creditors could be ascertained, and continued the hearing.

## BUFFALO LETTER.

Foundations are being laid for a new steel grain tank for the Eastern Eltr. to replace the one recently dismantled.

The contract for the erection of the concrete marine leg for the plant of the Washburn-Crosby Co. has been awarded to James Stewart & Co.

The contract for the erection of the marine leg and all accessory machinery for the Frontier Eltr. & Mfg. Co. has been awarded to the Webster Mfg. Co.

The Buffalo Grain Co., of which J. M. Jenks of Chicago is pres. and H. Harrison sec'y, has leased and will operate the Erie Eltr., anticipating an increased volume of business as the result of the decreased rates to the east from Buffalo.

The Western Elevating Ass'n, which now includes all the eltrs. of Buffalo, has set a rate on elevating, including 10 days' storage of ½c per bu. and for storage thereafter for each ten days or part, ¼c per bu. Up until August 31 grain will be received at a special summer storage rate of ¾c per bu. for every 30 days. This rate will terminate Oct. 1, and all grain stored on this special rate coming in short after that date will be subject to the regular storage charge of ¼c per bu. for each 10 days or part thereof, regardless of the date received.

In July, 1909, I purchased the Evans Elvtr., which had been idle for a number of years and was in a state of decay from disuse. A number of very radical changes have been made in the interior, \$20,000 having been spent in making it as nearly up to date as a wooden eltr. can be. We have handled approximately 10,000,000 bus. of grain thru it since that time and now have as fast a little working house as there is in Buffalo. The eltr. is a wooden house of 400,000 bus. capacity, and is operated in connection with the Monarch Eltr., a 450,000-bu. fireproof house, and the Wheeler Eltr., a 750,000-bu. fireproof house of which I am manager. The eltr. was purchased as an investment, as I have faith in Buffalo always being a great transfer port, and am very hopeful for reciprocity.—Geo. E. Pierce.

## NORTH DAKOTA.

Farmington, N. D.—The Farmers' Eltr. Co. has purchased the Murray Eltr.

Dresden, N. D.—The eltr. of the St. Anthony & Dak. Eltr. Co., which has been under lease to the Cargill Eltr. Co., burned recently.

Mose, N. D.—The Mose Eltr. Co., incorporated, capital stock, \$10,000; incorporators: Hans Aarestad, H. B. Omdal, Malena Aarestad and Karen Omdal.

Driscoll, N. D.—O. A. Krogan will build an eltr. here this summer if crop prospects continue good.

Grand Forks, N. D.—The eltr. of the Farmers' Eltr. Co., which was burned recently, will be rebuilt.

Hillsboro, N. D.—The Equity Eltr. & Trading Co., capital stock, \$15,000; incorporators: Julius Bakkum, O. A. Kaldor, O. O. Engebretson, W. C. Mergenthal and William Meyer.

Elliott, N. D.—The Elliott Farmers' Eltr. Co. has bot the eltr. of the Monarch Eltr. Co. and will enlarge it, increasing its capacity from 22,000 bus. to 40,000 bus.

Bowman, N. D.—The eltrs. of the Bagley Eltr. Co. and the Empire Eltr. Co. were burned May 3. The blaze was caused by incendiaries. The eltr. of the Bagley Eltr. Co. will be rebuilt before Sept. 1.

Stevenson, N. D.—The Farmers' Eltr. Co., incorporated; capital stock, \$8,000; incorporators: P. L. Keating, D. Deede, W. M. Crawford, A. H. Burnson, J. D. Steffes, Roland Canham and Carl Clausung.

Scranton, N. D.—Incendiaries made an unsuccessful attempt on the eltr. of the Farmers' Eltr. Co. here May 3. Undaunted by their failure here, they proceeded to Bowman, where they burned two eltrs.

Balfour, N. D.—If the Gt. Northern completes work on the new line north of this town, E. W. Meinhardt will move his eltr. to Karlsrhue, which will be 14 miles northwest of here.—M. F. Walsh, mgr., Balfour Farmers' Exchange.

Kief, N. D.—We will probably rebuild the eltr. which burned last summer if crop conditions continue good. It will be a 30,000-bu. house with the most up-to-date machinery and a roller feed mill.—W. A. Bokovoy, Bokovoy Grain Co.

## OHIO.

Mercer, O.—We expect to install an ear corn loader here.—Behymer Bros.

Sidney, O.—E. E. Nutt is seriously ill, suffering from a stroke of paralysis.

Schumm, O.—We will install an ear corn loader and build coal bins here.—Behymer Bros.

Van Wert, O.—We will install a Cyclone Dust Collector here.—The Pierce Grain & Hay Co.

Middletown, O.—The Middletown Mfg. Co. will add a 10,000-bu. storage eltr. to its plant in June.

Fostoria, O.—The Isaac Harter Milling Co. is installing Zeleny Thermometers in its four grain tanks.

Troy, O.—The eltr. of Edwards Bros. has been sold to Fred Ortman and Daniel Yount, of Dayton, O.

Covington, O.—The Cincinnati Grain Co., which runs a branch here, suffered a loss of \$500 by fire recently.

Tamah, Rockford p. o., O.—We expect to install an ear corn loader and build coal bins here.—Behymer Bros.

Cecil, O.—We will enlarge our eltr. and install receiving separator and automatic scale.—Square Deal Eltr. Co.

Toledo, O.—Frank Moorman, who represents Crumbaugh & Kuehn on the trading floor, is to be married in the near future.

Pleasant Plain, O.—We have succeeded the Dewey Bros. Co. and G. F. Howard & Son here.—W. R. Howard, of Jones & Howard.

Toledo, O.—James Mattimore, the father of J. T. Mattimore, who is the representative of Finley, Barrell & Co. on the Produce Exchange, died recently, aged 83.

Prairie Depot, O.—Cruikshank & Wright operate the only eltr. at this station. J. L. Cruikshank is also interested in eltrs. at Hatton and Hoytville, and resides at Fostoria.

Columbus, O.—Jas. P. McAllister & Co. have bot a large tract of land at the intersection of the Penna., B. & O. and N. & W. R. R.'s (at Columbus) and expect to erect a transfer house for grain and hay.—Jas. P. McAllister.



Columbus, O.—E. W. Seeds has been seriously ill.

Columbus, O.—It has been definitely decided that the date of the annual meeting of the Ohio Grain Dealers Ass'n will be June 21 and 22 and the place Cedar Point, O.

Swanton, O.—We have installed machinery for making all grades of corn meal and corn products, and will place these goods upon the market by the latter part of May.—The Pilliod Mfg. Co.

Cleveland, O.—At a recent meeting of the directors of the Chamber of Commerce the following officers were elected: Chas. E. Adams, pres.; Jas. R. Garfield, 1st vice-pres.; W. H. Cottingham, 2nd vice-pres.; F. J. Pierce, treas.; Munson A. Haven, sec'y.

Atlanta, O.—Chas. E. Groce, of Circleville, O., is rebuilding the eltr. he recently bot from C. G. Campbell at this point and covering it with iron. He has also installed a new boiler and engine and added a boiler and engine house, a cob house and houses for dust and screenings.

New Madison, O.—The plant of the New Madison Mfg. & Eltr. Co. burned May 3 with considerable feed and flour. The fire was discovered at 1 a. m., and is supposed to have originated in the engine room. Insurance, \$12,000 on building, and \$5,000 on stock. The plant will probably not be rebuilt.—D. L. Mote.

Columbus, O.—H. B. No. 171, governing the issuance and negotiability of Bs/L and title to property covered by Bs/L has been passed by the Ohio legislature and will become effective in 10 days. It makes the law of Ohio on Bs/L the same as in all other states, and makes Bs/L more desirable collateral for loans.

Bowling Green, O.—Thos C. Linger, representing the Ohio Grain Co., has taken action to recover \$270 from C. R. Hopkins, as the loss suffered by the plaintiff as the result of the defendant's alleged failure to deliver 3,000 bus. of corn at 43c, thus forcing the defendant to pay 54c per bu. in order to meet his own obligations.

Piqua, O.—Spencer & Miller have incorporated under the name of the Spencer-Miller Co., with a capital stock of \$25,000, with Daniel Spencer, pres., Lester R. Spencer, vice-pres., and Melville W. Miller, sec'y and treas. Lester R. Spencer is a nephew of Daniel Spencer and will hereafter be actively identified with the Spencer-Miller Co.

Columbus, O.—H. B. No. 31 has passed the Ohio legislature and became effective May 6. The bill amends the General Code to make Sec. 8970 read as follows: "Every company operating a railroad or a part of one shall be liable for all loss or damage by fires originating upon the land belonging to it caused by operating such road. Such company further shall be liable for all loss or damage by fires originating on lands adjacent to its land, caused in whole or part by sparks from an engine passing over such railroad, and the exercise by such company of due care in equipping and operating such engine shall not exempt such company from such liability, which may be recovered before any court of competent jurisdiction within the county in which the lands on which such loss or damage occurs are situated. The existence of fires upon the railroad company's lands is prima facie evidence that they are caused by operating such railroad."

#### CINCINNATI LETTER.

The W. H. Brown Co. has moved its offices to the Bell Bldg.

H. E. Richter has been elected sec'y of the Chamber of Commerce.

The National Eltr. Co. has reduced its capital stock from \$50,000 to \$10,000.

The Stiefel Grain Co., incorporated; capital stock, \$15,000; incorporators: Louis Stiefel, J. P. Straus and L. C. Stiefel.

The Grain Dealers Club will hold its monthly meeting at the Havlin Hotel next Thursday evening. General routine matters will be discussed.

Joseph F. Costeno, of the Union Hay & Grain Co., has applied for membership in the Chamber of Commerce.

Kyle & Rogers have closed their office here and removed to Monroe, O., where they have purchased a general store. They will continue to operate the several eltrs. in that vicinity which they own.

The Grain Dealers Salesmen's Ass'n held a banquet at the Wielerts recently, at which it was announced that the last reading of the by-laws of the organization would be at the next monthly meeting.

Rye is going skyward. An advance of 18 cents was recorded in the Cincinnati market in the past week. A car of No. 2 rye was sold on the floor of 'Change at \$1.16 a bushel. No. 2 rye is now 20 cents above the price of No. 2 red wheat, which dealers state is rather remarkable.

Many of the grain and hay dealers of Cincinnati have been forced to go to foreign countries for their grain and hay supply, due to the high prices that both grain and hay are selling at in this market. The Union Grain & Hay Co. has received several carloads of rye from Germany. Some hay is coming from Canada.

The directors of the Chamber of Commerce at their monthly meeting on May 2 appointed William C. Culkins to succeed Charles B. Murray as superintendent and Executive Secretary of the Chamber of Commerce. He will take office on May 15. Charles B. Murray, who has been Superintendent of the Chamber of Commerce for the past twenty years, will be retained as a statistician. William C. Culkins is well known among the business merchants of Cincinnati, and no better man could have been picked for this responsible position. Mr. Culkins is an old time newspaper man. He is at present sec'y of the Business Men's Club of Cincinnati, and pres. of the Hyde Park Business Men's Club and pres. of the Improvement Federation Ass'n.

#### OKLAHOMA.

Okarche, Okla.—W. B. Johnston is the successor of M. C. Groseclose.

Hobart, Okla.—The Hobart Grain Co. is the successor of W. L. Perkins.

Geronimo, Okla.—M. C. Groseclose has bot the eltr. of W. B. Johnston.

Muskogee, Okla.—The eltr. of the Central Mfg. Co. has been completed.—Thos. M. Wright.

Okmulgee, Okla.—The Eram Mill & Eltr. Co. will build a 5,000-bu. eltr. this season.—J. L. Cary.

Oklahoma City, Okla.—The Robey Grain Co., incorporated, capital, \$1,000; incorporators: L. K. Robey, L. R. Robey and C. E. Wilson.

Tuttle, Okla.—We are putting in new spouts and thoroly overhauling our eltr. here. We will also overhaul eltrs. at Wheatland and Amber, Okla., soon.—Wheatland Gr. & Lbr. Co.

Lawton, Okla.—We will construct additional trackage to our mill this spring. This firm has been reorganized recently and has added 5 new stockholders to the firm.—Lawton Mill & Eltr. Co.

Frederick, Okla.—The receiver of the Consolidated Alfalfa Mfg. Co. has granted the stockholders 60 days in which to operate the mill and prove that it is able to pay for more than operating expenses.

Oklahoma City, Okla.—We have received advices from outside the state indicating a good attendance at our annual meeting, and with a fair showing from Oklahoma we should have a big crowd.—C. F. Prouty, sec'y Oklahoma Grain Dealers Ass'n.

Broken Arrow, Okla.—The Hannifin Mill & Eltr. Co. contemplates putting in a system of cob burners at their different corn eltrs., there being no sale for the same here. Samuel Plumber has bot the corn eltr. of the Stevens-Scott Co. here.—T. P. Hannifin.

#### PROGRAM OF GRAIN DEALERS AND MILLERS MEETING.

The 14th annual meeting of the Oklahoma Grain Dealers Ass'n will be held at Oklahoma City May 23-24. A joint session with the Oklahoma Millers Ass'n will be held on the afternoon of May 23, closing with a joint banquet of the two Ass'ns May 24. Headquarters of the grain men will be at the Lee-Huckins Hotel and the joint meeting of the Ass'ns will be in the Chamber of Commerce rooms.

TUESDAY, 2:00 P. M., MAY 23.

Joint session of grain dealers and millers. Meeting called to order by the Pres., W. M. Randels, Enid, Okla.

Address of Welcome, Mayor-Elect of Oklahoma City.

Response, D. J. Donahoe, Ponca City, Okla.

Probable and Possible Results of Reciprocity with Canada, P. S. Goodman, Chicago.

How Best to Obtain a Larger Yield of Better Grain, by Bert Ball, Sec'y Council of North American Grain Exchanges, Chicago.

Oklahoma Inspection, by H. Stauffacher, Chief Grain Inspector, Blackwell, Okla.

Address, by Jack Love, chairman Oklahoma Corporation Commission.

TUESDAY EVENING, MAY 24.

Entertainment by the Oklahoma City Commercial Club.

WEDNESDAY, 9:30 A. M., MAY 24.

Meeting called to order by the President. Address, by Hon. Lee Cruce, Governor of Oklahoma.

Address, by Benj. Hennessey, Sec'y State Board of Agriculture.

How Can We Establish Oklahoma Weights and Grades, by Jesse Vandenberg, Blackwell, Okla.

Discussion.  
Adjournment.

WEDNESDAY, 2:00 P. M.

Executive Session for the transaction of Ass'n business.

Reading of minutes of last annual meeting.

Sec'y-treas. annual report.

Report of committees.

Miscellaneous business.

Adjournment.

WEDNESDAY EVENING.

Annual Banquet.

#### OREGON.

Portland, Ore.—J. H. Klosterman & Co. have purchased the entire business of the Inland Grain Co. Possession was given May 1.

Portland, Ore.—The Inland Milling & Feed Co., incorporated, capital stock, \$20,000; incorporators: Fred Langerman, Sam Bayer and Sol Bloom. The new firm has bot the property of the McMillan Grain Co.

Pilot Rock, Ore.—The Farmers Educational & Co-operative Union has taken an option on the warehouse of the Interior Warehouse Co. and will handle grain for its members. The house has a capacity of 80,000 sacks.

Portland, Ore.—The Farmers Union is making arrangements to build a dock and warehouse on the Upper Columbia River and it is intended to transport all grain that can be brot to the river from the surrounding territory.

#### PENNSYLVANIA.

Pittsburg, Pa.—We have had some of our customers write to members of your Ass'n for quotations and we have their written replies making it conclusive evidence that the members of your Ass'n have no regard for wholesale dealers at this end, therefore, so far as we are concerned, we will exercise the right we have to buy where we please, as the members of your Ass'n sell where they please without any regard for our interests.—Samuel Walton Co.



Pittsburg, Pa.—We recently installed a cracked corn separator, a Day Dust Collector and also two new belts with a capacity of 5,000 bus. per hour. We have also installed electric lights. We have moved our offices to the Second Nat'l Bank Bldg.—R. S. McCague.

Pittsburg, Pa.—We received two cars of hay April 25 from the county of Terrebonne, Prov. of Quebec. This is the first time there has been any imported hay on this market for fifteen years and the first time since the new tariff bill which imposed the duty of \$4 on Canadian hay. It graded No. 2 and 3 timothy, loose pressed and sold at \$21.50 per ton.—Daniel McCaffrey's Sons Co.

## PHILADELPHIA LETTER.

Joseph W. Beatty, treas. of the Commercial Exchange, who has been suffering with nervous breakdown, is reported as slowly recovering.

The Pennsylvania Railroad Co. has been asked to erect a large eltr. and grain drier at some convenient point on the Delaware River, but it is that such a step will not be taken for some time at least.

Joseph F. Huey, doing grain and hay business, and the son of William A. Huey, chairman of the hay and straw committee of the Commercial Exchange has just been taken into the membership of that Association.

As soon as the insurance on the burned eltr. of the Chester Milling Co. is adjusted, there will be a meeting of the stockholders to decide whether to rebuild the entire plant and to decide the size, capacity and equipment of the eltr.

During April, Philadelphia received 95,341 bus. of wheat, 165,476 of corn and 375,697 bus. of oats, compared with 728,804 bus. of wheat, 147,202 of corn and 375,697 of oats received in April, 1910. Shipments during April were 16,814 bus. of wheat and 573,720 of corn, against 813,680 bus. of wheat and 50,825 of corn shipped in April, 1910. During the last four months the increase in receipts of corn is 4,855,241 bus. and the increase in oats 606,630 bus. over the amount received last year. Since Jan. 1, the total shipments of grain from this port were 4,789,451 bus. of corn and 1,283,398 bus. of wheat. This is an increase in corn of 2,872,753 bus.

## SOUTH DAKOTA.

Bradley, S. D.—The eltr. of M. F. Stierwalt burned recently with a loss of \$5,000.

Faith, S. D.—An eltr. and coal sheds are being erected here by the Geo. C. Bagley Eltr. Co.

Clark, S. D.—The Clark Farmers Eltr. Co. is installing two Hall Signaling Distributors in their eltr.

Ravinia, S. D.—The eltr. of A. A. Truax is being removed to Dante, S. D.—Jno. F. Whalen, Mgr. Farmers Eltr. Co.

Faulton, S. D.—The Geo. C. Bagley Eltr. Co. is building an eltr. and coal sheds here and tearing down the old eltr.

Gayville, S. D.—The Farmers Eltr. Co. has let the contract to the Younglove Const. Co. for the erection of an eltr.

Turton, S. D.—An eltr. of 25,000 bus. capacity is being erected here for the Atlas Eltr. Co. T. E. Ibberson has the contract.

Orient, S. D.—The eltr. of the Geo. C. Bagley Eltr. Co. is being dismantled and a new eltr. and coal sheds are being erected.

Aberdeen, S. D.—The Dakota Cereal Co. has been reorganized and will resume the manufacture of "Wheathearts." P. N. Bushnell is mgr.

Stratford, S. D.—A new leg to accommodate a 12-in. cup and a manlift will be installed here.—W. B. Roby, mgr. So. Dak. Farmers Eltr. Co.

Davis, S. D.—We will lay a stone foundation under our eltr., build an engine house, paint the eltr. and dismantle the annex.—Duluth Eltr. Co.

Lebanon, S. D.—Farmers are planning the organization of a Farmers Eltr. Co. here.

Aurora, S. D.—A. W. Tyner, cashier of the Bank of Aurora and M. P. Bush of Lake Preston, S. D., have bot the eltr. of the Sleepy Eye Mlg. Co. here.

Watertown, S. D.—Walter E. Palmer has been arrested charged with driving into the eltr. of the Farmers Eltr. Co. and helping himself to about 75 bus. of oats.

Verdon, S. D.—We have installed new spouting in our eltr. here. It is that that this company will be re-organized soon on the co-operative plan.—W. B. Roby, mgr. So. Dak. Farmers Eltr. Co.

Langford, S. D.—The Langford Farmers Eltr. Co.'s eltr. burned recently, and 5,000 bus. of grain was destroyed. The fire started under the driveway and caused a loss of \$4,500.

Isabel, S. D.—Fitch, Peck & Co. are building a 25,000-bu. eltr. with 9 bins, cribbed, a large annex to be used for flour and feed. Contract was let to Newell Const. Co.

Jefferson, S. D.—The Jefferson Mill Co. which is owned by the Tiedeman Eltr. Co. has installed 5-ton Howe Wagon Scale, a 30-h.p. gasoline engine and has added an engine room and office.

## SOUTHEAST.

Vicksburg, Miss.—We have withdrawn from the grain business and have no successor.—P. P. Williams Co.

Savannah, Ga.—H. Traub, the head of the extensive grain and grocery firm of H. Traub & Co., died recently, aged 60 years.

Vicksburg, Miss.—The two brick warehouses of the Feld Bros. were recently burned with a loss of several thousand dollars, fully covered by insurance.

Montgomery, Ala.—Altho all the evidence in the \$230 attachment suit in the Steagall Grain & Mlg. Co. vs. Gale Bros. of Cincinnati had been given in the City Court, a non-suit was taken by the plaintiff and the case carried to the Circuit Court.

Montgomery, Ala.—Dreyfus Bros. and other firms of this city have brot suit against the Corn Products Refining Co., alleging that it with its allied companies form a glucose trust and that the existence of the alleged combine is a violation of the anti-trust law.

## TENNESSEE.

Union City, Tenn.—Tom Taylor, state treas., who is quite a figure in the recent political tangle involving the Legislature, was for many years a prominent grain dealer and still retains his interest here. He defeated Joseph Folk's brother, Reau Folk, for the place.

## MEMPHIS LETTER.

We have purchased the stock of the McLaughlin Grain & Coal Co. and have leased its eltr. and warehouse.—Ryerson Grain Co.

The Interstate Commerce Commission will hold a hearing May 22 on the reshaping rules at Memphis which the Memphis trade has complained of.

The statement that we would build an eltr. is not true. The Memphis office is a sales office and we probably will lease or build a hay warehouse this fall in Memphis, depending on future development of our trade here.—Cherokee Commission Co.

At a recent meeting of the Fire Insurance Club of Memphis the subject of discussion was "Grain Elevators" during which it was brot forth that eleven Memphis eltrs. have burned within the last nineteen years with a property loss of \$463,000, and an insurance loss of \$506,000. Hot journals in machinery were spoken of as the most frequent cause of blazes.

## NASHVILLE LETTER.

Frank D. Fuller, a special agent of the Dept. of Agriculture, has consulted with the directors of the Tennessee State Fair Ass'n regarding the holding of a Mid-Winter Corn Show here.

Members of the grain and mill committee of the Nashville Board of Trade are: Chas. D. Jones, chairman; R. H. Worke, W. Murray Hogan, W. R. Cornelius, Jr., John C. Shofener and W. G. Waterfield.

It is understood that the grain eltr. recently occupied by the Gillette, Hardison Grain Co., which was burned in West Nashville, will not be rebuilt. The plant belonged to persons in Columbia, Tenn.

J. T. Roberts, chief of the weighing and inspection bureau of the Nashville Grain Exchange, is thinking seriously of moving to California. He recently returned from a trip through the West and was greatly impressed.

The grain market at Nashville was more active last week than at any time during the past few months. Grain receipts for the week showed 342 cars as against 272 the week previous. Dealers generally anticipate a heavy market during the next few weeks.

Lee Douglas, the newly-elected attorney of the Nashville Grain Exchange, is a son of President Byrd Douglas who was recently re-elected for the seventh consecutive time. The young attorney will make good in the place recently held by U. S. Senator Luke Lea.

At the recent election of the Nashville Grain Exchange, the following officers were elected: Byrd Douglas, pres., S. S. Kerr, 1st. vice-pres., R. W. Hale, 2d vice-pres. R. W. Cornelius, sec'y and treas. and Alexander C. Harsh, Chas. D. Jones, H. H. Hughes, R. H. Worke and R. H. McClelland, directors. J. T. Roberts continues to handle our inspection and weighing departments.—W. R. Cornelius, sec'y-treas., Grain Exchange.

## TEXAS.

Whitewright, Tex.—R. H. Smellage has been admitted to membership in the Texas Grain Dealers Ass'n.

Eagle Lake, Tex.—We are a new firm. G. A. Stolemer of Eagle Lake will run a grist mill at Ramsey, and will buy mill machinery.—Eagle Lake Milling Co.

Ft. Worth, Tex.—Smith Bros. will have their large new eltr. completed May 15. The building is of reinforced concrete and steel and has storage capacity for 500,000 bus.

Coleman, Tex.—The Coleman Grain & Mercantile Co. incorporated as a consolidation of the Coleman Grain & Fuel Co. and the Wilson Grain Co. The company is composed of Perry Cooper, Bird Wilson and C. F. Rahn.

Galveston, Tex.—Exports from this city for the 8 mos. prior to May 1 were 7,965 bus. wheat and 328,517 bus. corn; against 1,617,298 bus. wheat and 1,863,782 bus. corn during the corresponding mos. of 1909-10.—C. McD. Robinson, chief inspector, Galveston Board of Trade.

The M. K. & T. railroad, in the future, will, upon presentation of expense bills, absorb all switching charges on grain destined direct to Texas and Mexico as well as to Missouri, Kansas and Texas junction points in Oklahoma assisted by connecting lines on inbound shipments.

Dallas, Tex.—The headquarters of the Texas Grain Dealers Ass'n convention will be at the Oriental Hotel and the meetings will be held in the Auditorium of the Chamber of Commerce. On the evening of May 25 there will be a theater party at the Casino, Lake Cliff Park; and on the evening of May 26 a trolley ride will be had over the city of Dallas and suburbs, followed by a banquet at the Oriental Hotel, at which J. F. Farnsworth will act as toastmaster. W. M. Randels, pres. of the Oklahoma Grain Dealers' Ass'n. will appear on the program for an address.—G. J. Gibbs, sec'y Texas Grain Dealers Ass'n.



Dallas, Tex.—The annual meeting of the Texas Grain Dealers Ass'n will be held at this city with headquarters in the Oriental Hotel, on May 25-26. Reduced rates will be given by all roads. Dallas will offer a splendid line of entertainments for the meeting, and the thirteenth annual meeting will be of the best and most interesting ever held. Let every member get busy and work for the meeting. Invite all your brother grain dealers. Suggestions of subjects to be discussed are requested by G. J. Gibbs, sec'y, Ft. Worth.

Ft. Worth, Tex.—The indictments charging J. L. Walker with forgery and theft failed to hold when the case came for trial and the court instructed the jury to find defendant not guilty. According to the evidence the J. L. Walker Grain Co. bot a car of wheat from the P. J. Mullin Grain Co. of Oklahoma City on mill weights, and resold to the New Century Milling Co., of Dallas, Tex., who reported 70,910 lbs. Walker states that Mullin admitted he had not lost anything and that he owed defendant money on past dealings. Walker also states that the Texas Grain Dealers Ass'n employed special counsel to prosecute him. The young lady stenographer of the Walker Grain Co. refused to testify, tho instructed to do so by the court. The car in question was shipped from Breckinridge, Okla., invoiced by Mullin at 66,000 lbs., and was diverted by Walker, before arrival Ft. Worth, to Dallas. Walker settled with the mill on the mill's weights, 70,910 lbs., and settled with Mullin on a weight of 65,910, furnishing him with Walker's Ft. Worth weight certificate dated Aug. 1, the same date the car was unloaded at Dallas, making it appear the car was unloaded at Walker's Ft. Worth plant, when in fact as developed in the trial the car never even passed thru Ft. Worth. Walker had attached to the weight certificate a copy of an alleged Ft. Worth expense bill purporting to show that he had paid freight on the basis of 65,910 lbs. Altho Walker's attorneys offered no evidence in rebuttal, the court instructed the jury to find Walker not guilty, as under the statute the state has the responsibility of showing that the defendant had the intention to commit the crime at the time the property came into his possession.

### UTAH.

Cache Junction, Utah.—An eltr. of 10,000 bus. capacity is being erected here.—Anderson Realty Co.

### WASHINGTON.

White Salmon, Wash.—The White Salmon Valley Fruit Growers Union has purchased the hay and grain business of J. A. Byrne & Co., including a large warehouse on the S. P. & S.

Colfax, Wash.—Warehousemen of Whitman county are complaining of the assessment of grain in their warehouses, assessing the warehousemen despite the fact that a great proportion of the grain is owned by farmers. Formerly each warehouse mgr. filled out a detailed list showing the amount of each grain stored in the house and the owner of each lot. The assessor refuses to agree with the offer of the warehousemen to comply with the old requirements.

### WISCONSIN.

Neenah, Wis.—Work has been started on the big eltr. of the Walter Bros. Brewing Co.

Ripon, Wis.—We are planning to erect an eltr. in the near future.—T. S. Chittenden & Co.

Nelson, Wis.—We will install new dump scales and leg in our eltr. here.—R. E. Jones & Co.

Maiden Rock, Wis.—We will rebuild our eltr. which was recently burned here.—R. E. Jones & Co.

Fond du Lac, Wis.—W. C. Reinig, head of the Fond du Lac Malt & Grain Co. was recently taken to Milwaukee to undergo treatment for a broken vein.

Pepin, Wis.—R. E. Jones & Co. will build new coal sheds here.

Augusta, Wis.—I will erect a flathouse with eltr. leg and gasoline power here this spring.—E. Elbertson.

Stoughton, Wis.—The matter of selling the grain in the eltr. of the Stoughton Mills, which property was purchased by the city is in the hands of a council committee.

Wild Rose, Wis.—The Melcher Lbr. Co., which recently bot the eltrs. of T. S. Chittenden & Co. here and at Wautoma and Almond, Wis., has increased its capital stock from \$50,000 to \$75,000.

### MILWAUKEE LETTER.

Oliver Owen, of Owen & Bros. Co., was married recently to Miss Edna Dopkins, of Milwaukee.

A malting plant containing many novel features is being erected for the Hansen Malting Co. by the A. Monstead Construction Co.

The Chamber of Commerce has issued 10,000 copies of a pamphlet on the improvement of the barley crop. This pamphlet, which contains two articles by professors in the state university is one of the publications of the Council of North American Grain Exchanges.

## Grain Carriers

For rebating in connection with ore shipments four railroads at Cleveland, O., have been indicted.

A grain steamer 65 ft. long is being built at Evansville, Ind., by David Meyer and Geo. Savage, to run on the Wabash River.

The reduced rates on grain from Buffalo ex-lake will have the effect of diverting considerable grain from the Montreal route.

The Brown Grain Co. has been awarded reparation of \$34.97 for overcharge by the Texas & Pacific on 5 cars of snapped corn from Rosa, La., to Grandview, Tex.

The new commerce court has ruled that it has jurisdiction where the Interstate Commerce Commission has refused to act on a complaint because it did not come within the Hepburn act.

The steamer John Sharples was released from the rocks of Gallup Island by jettisoning 5,000 bus. of corn and by the use of turbine pumps in the hold. The steamer will be taken to Buffalo for repairs.

The New York Central lines moved 1,701,344 loaded cars in April, an increase of 101,402 over April a year ago. The Rock Island and Wabash roads also report increases in car loadings for the month.

The Santa Fe, the Rock Island, the Union Pacific and the Missouri Pacific have published the new transit circulars which are based upon the agreement reached last year between the railroads, shippers and the interstate commerce commission.

Judge Sanborn at St. Paul May 2 granted the state of Minnesota an appeal to the U. S. Supreme Court from his decision restraining the state railroad commission from reducing rates. After July 1 the roads are permitted to go back to the old schedule of higher rates.

Grain door recovery at Indianapolis, Ind., is rewarded by the Lake Erie & Western with an allowance to elevators, mills, consignees and shippers of 10 cents

for doors returned and 15 cents for doors made up or repaired out of old material and used for outbound movement.

Sec'y Lachmann of the Wisconsin State Millers Ass'n sounded a warning in a recent address against the harmful effect of the present system of making rates in that state and said that in many cases the sum of the local rates is more than double the thru rate.

The new rules of the Pacific Northwest demurrage bureau, which come into effect May 20, provide that shippers be credited with time when the cars are unloaded and released within the first 24 hours. Days thus credited are deducted from the monthly statement and the regular charge of \$1 per day made for the balance.

The corporation commission of Oklahoma filed a complaint recently with the Interstate Commerce Commission against the Santa Fe and connecting lines, charging that the rates on hay and grain from points in Oklahoma to points in Texas, Kansas, Louisiana and New Mexico are unreasonable and will work great injury to the farming interests of the state. The complaint was directed especially against the tariff which prohibits the mixing of transit and flat shipments at the carload rate.

Box cars are remarkably well distributed over the country, all roads reporting a shortage of only 91 cars on April 26, the smallest shortage on record. On Oct. 26, 1910, the box car shortage was 12,898 and on Feb. 16, 1910, 15,448. The 168 roads reporting to the American Ry. Ass'n show 55,052 idle cars April 26, which is the biggest car surplus since July, 1910. Roads in Iowa, Illinois, Wisconsin, Minnesota and the Dakotas are short 70 of the total 91 cars short. The total surplus of idle cars of all kinds was 189,524 on April 26, against 102,085 on April 27, last year.

The suit brot by an insurance company for \$400 for grain carried by the Davidson steamer Honduras as a winter cargo and which is said to have been damaged by water to the extent named will be appealed to the supreme court of New York following the decision of the lower court that the plaintiff must show whether the vessel leaked on the way down or only after reaching its destination. A similar case in which Bartlett, Patten & Co. claim \$2,000 damages for grain wet on the steamer Rappahannock will be held over pending the final decision in the case of the Honduras.

One hundred shippers and business men attended a hearing here April 28, before Interstate Commerce Commissioner Franklin K. Lane, held for the purpose of determining whether or not New England shippers should be continued to be allowed 72 hours' time for loading and unloading or 48 hours, as is the custom elsewhere. In answer to Commissioner Lane's question as to why cotton shippers were allowed 96 hours and other shippers only half of that time, A. G. Thomason, demurrage commissioner appointed by the interstate commission, testified that the cotton manufacturers' demand for that much time for the unloading of cars was largely the result of habit. Arthur W. Gline complained of the alleged carelessness of the railroads in not promptly forwarding cars and notifying consignees of their arrival. Commissioner Lane closed the hearing, requesting the different counsel to file briefs with the commission within 10 days.



## THE DRAWBACKS TO THE Flat Bottom Bin.

BY P. F. M'ALLISTER.

No doubt the flat-bottom grain bin was the first to be constructed, hence it should be the first to be abandoned. It is some cheaper to construct, and does give a little more capacity to a house of the same dimensions, but it has so many grievous draw-backs, no live progressive grain dealer can afford to tolerate it. The flat bottom bin, which is to be found in many of the old time country elevators, is a relic of the pioneer days. It goes along with the shallow basements, inadequate equipment, small receiving sinks, high driveways and ladder to the cupola.

Whenever you see a country elevator covered with wood siding and the spark-catching shingle roofs, you can depend upon it that the bins are all flat bottom, and the operator is bent into an interrogation point in the everyday pursuit of his shoveling duties, or else the corners of each one of those flat bottom bins are filled with dirt, screenings and crushed grain, the accumulation of years.

The corners of the flat bottom bin have long been recognized as the grain weevil's paradise. The lack of light and air make these dirty corners the breeding spots for all grain infesting insects, and what is more, they help and contribute to the mixing of grain. The cost of their operation (if not frequently cleaned) is much more each year than would be the installation of self-cleaning hopper bottom bins. Many shippers who are occasionally surprised to have a car graded off will be able to account for their ill-luck if they will but investigate their flat bottom bins.

Foundation walls are also being built heavier, and generally of concrete. Basements are built deep enough so that operators can move about without cracking their heads, and are light enough so that it is an easy matter to keep them clean, especially where the floor is covered with a heavy cement facing.

Shoveling out a flat-bottom bin is not a pleasant task for anyone, hence all operators dodge the duty as long as they can, with the natural result that the owner of the house pays dearly for their procrastination.

In many of the old time elevators, the under supports have become so rotten as to insure their early collapse, even tho a strong foundation be placed under the building. If you wish to see what may be expected in case the under supports have rotted away, just inspect the photographs of the collapsed elevator on pages 516-517 of the Grain Dealers Journal for Apr. 10. It is a difficult matter to renew the under supports of an old time house, but always a waste of time and money, unless the foundations are rigid.

## DEATH OF W. O. PATTY.

The grain dealers of Western Ohio are mourning the sudden death of Mr. W. O. Patty, of Greenville, member of the grain firms of Meyers & Patty Co., of Pleasant Hill, O., and Patty & Coppock of Fletcher, O. Death was the result of injuries re-



W. O. Patty (deceased), Pleasant Hill, O.

ceived by being thrown from a car, while assisting in making a shift on what is known as a gravity line.

Mr. Patty was actively engaged in the grain business during most of his life, and manifested much interest in the work of the local associations. But during the last seven years of his life much of his time was spent in managing the large gravel pits owned by Patty & Coppock Co. Mr. Patty is survived by his wife and three children. Mrs. Patty will continue his interests in the grain business. His portrait is reproduced herewith.

The royal statistical bureau of Prussia estimated the condition of winter wheat, Apr. 15, at 76% against 84% at the same time last year and winter rye at 74% against 80% last year.

## TRANSMISSION OF POWER

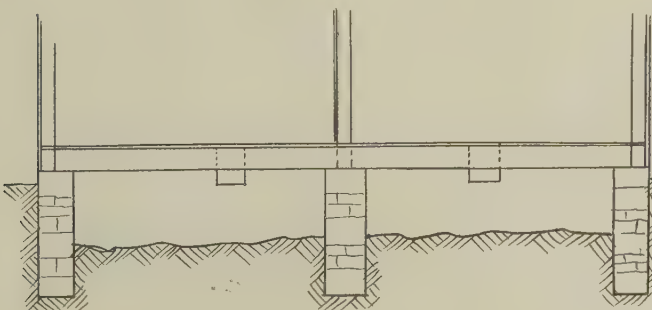
### by Rope Drives.

Power transmission by means of rope drives is practically unlimited by distance or direction. By the use of guide sheaves, power may be transmitted by ropes around corners or between any two shafts, no matter how situated. Many rope drives are now in successful operation which carry power with economy distances of from 200 to 500 feet.

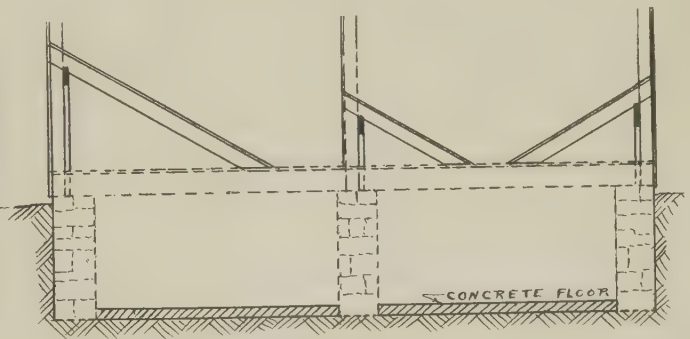
The width of the rim surface required by rope sheaves is from one-half to two-thirds of the width necessary for belting, allowing the supporting bearings to be placed much closer together, and giving an advantage which is much appreciated by the practical mill man. Rope drives are noiseless, due to the flexibility and lubrication of the rope and to the air passage under it in the groove. Many mills whose engines develop 1,000 to 2,000 horse-power eliminate practically all the noise from the engine room by the use of rope drives; any irregularity in the running of the engines can be detected at once.

When the diameter of the rope sheaves is sufficiently great and the angle of the groove is properly turned to leave an air space under the rope, it wedges so firmly that loss of power by slipping becomes insignificant. The first cost of rope drive is much less than belting or electricity when the horse-power is over 200 and the distance between centers is more than 30 feet. The advantage in favor of rope drive increases rapidly in direct proportion to the amount of power and the distance between centers. It is difficult to arrive at the approximate cost of maintenance of rope drives, because so much depends on proper care and the manner in which the rope is spliced upon the sheaves. The average life of a rope on the main drive, where the multiple system is used, is from 8 to 10 years, during which time the entire cost of maintenance should be confined to the labor required to take up the slack, which should be necessary not more than twice.

A rope drive was recently installed in a mill where the distance between centers is but 16 feet, and in this short space a quarter turn drive transmits 200 h. p. The actual distance between circumferences is but 10 feet; and the old rule that the smallest sheave must not be less than 40 times the diameter of the rope is violated. On this drive, ten 1 1/8-inch ropes are running at a speed of 5,150 feet per minute. In spite of these disadvantages the drive has been running successfully for many months. It is a remarkable example of flexibility and other advantages of rope drives.



The Flat Bottom Bin and Dirty Basement of Old.



The Hopper Bottom Bin and Cement Lined Basement of Today.



## Supply Trade

Chicago, Ill.—H. W. Caldwell & Son Co. have purchased a Hall Signaling Distributor.

Chicago, Ill.—A new Illinois incorporation is the Pneumatic Conveyor Co., for the manufacture of machinery, tools and mechanical appliances.

Detroit, Mich.—The June Convention of the Nat'l. Gas and Gasoline Engine Trades Assn. will be held June 20 to 23, incl., at the Hotel Pontchartrain.

Chicago, Ill.—"Gump Bargains," issued monthly by the B. F. Gump Co., should be in the hands of every elevator and mill owner who contemplates improvements to his equipment.

Silver Creek, N. Y.—The monthly calendar issued by the S. Howes Co. for May shows an excellent illustration of the "Eureka Perfected Milling Separator." Are you on its mailing list?

CHICAGO callers: C. A. McCotter, Secy. Grain Dealers' Natl. Mutual Fire Ins. Co., Indianapolis, Ind.; J. H. Pank, Minneapolis, Minn., Northwestern representative, Richmond Mfg. Co.

Omaha, Neb.—Mr. Hall, of the Hall Distributor Co., has had an enforced absence from his office on account of ill-health. Leaving early in June for the East, he plans several months of recuperation.

The Automatic Hot Journal Alarm System is installed in about seventy-five large terminal elevators throughout the U. S. and Canada and up to the present time there has not been a fire or dust explosion in any of them caused from a hot bearing.

Sterling, Ill.: An 80 h.p. together with a 60 h.p. Charter engine, made by the Charter Gas Engine Co., have been ordered for pumping water from deep wells for rice irrigation in Arkansas. The two 8 ft. flywheels for the larger engine weigh very nearly 4 tons.

Minneapolis, Minn.—The Maire Paint Co., manufacturer of indestructible roof preservers, smoke stack preserver and roof cement, reports that its absolute guarantee of perfect satisfaction with each shipment of goods seems to be gaining the confidence of elevator owners everywhere.

Washington, D. C.—With but a few exceptions, the Interstate Commerce Commission has refused to permit the principal railways of the West to advance their rates on the transportation of cement. The Commission states that the propriety of the proposed new rates has not been shown.

Chicago, Ill.—The latest and most attractive booklet on driers is that published by the Hess Warming & Ventilating Co. It shows also the cold air conditioner and moisture tester and many testimonials of their merit. Readers of the JOURNAL who apply will be gladly supplied upon request.

Chicago, Ill.—Elevator and mill operators who have been troubled by the destruction of the rawhide lacings for belting, by rats and mice, will be interested in the Blu-Skin Lace furnished by W. H. Salisbury & Co. This is a mineral tanned lace in which the animal greases are replaced by chemicals, disagreeable to the rodents, yet in no way impairing the efficiency of the lacing.

Freeport, Ill.—Stover Engine Works is just completing its new foundry and machine shops.

Freeport, Ill.—Ziegler-Schreyer Mfg. Co. is building an addition to its factory, 180x80 ft. of reinforced concrete, to be completed by June 1, 1911.

Wichita, Kans.—The Elevator Const. Co., with offices in the Winne Bldg., has entered the field of elevator and mill construction in steel, wood and concrete.

Silver Creek, N. Y.—The Huntley Mfg. Co. reports a very gratifying increase in business for the month of April over the corresponding month of last year. The factory is crowded with work, and the outlook for a large Spring business is exceedingly encouraging.

Columbus, O.—The Osborne & Sexton Machinery Co., who handles gas and gasoline engines, belting, pulleys, hangers and supplies, has moved into a new factory on Russell street near Fourth street. Its facilities are greatly increased, having a spur from the Big Four R. R. and floor space 150 ft.x250 ft.

Fred W. Kennedy of Shelbyville, Ind., was in Chicago this week, and reported the demand for Kennedy Car Liners ever on the increase, with business unusually good for this time of the year. Mr. Kennedy is preparing to bring out a new car liner, which is reinforced with burlap in a way that will make the liner more durable, without greatly increasing the expense.

The influence of the fire insurance underwriter is continually being extended to new channels. Some machinery manufacturers are changing and improving their bearing constructions, and others are consulting the Board of Underwriters as to the construction requirements necessary to permit of users installing their machinery without a penalty. Co-operation between the machinery manufacturers and the insurance companies is sure to result in the material reduction of the fire hazard, the number of fires and the cost of insurance.

A. L. Goetzman has been re-elected sec'y of the Millers National Ass'n.

J. P. Peterson and E. C. Jones of Russell, Minn., have completed a speltz huller that promises to be a boon to speltz growers.

Please discontinue our eltr. ad as they are sold. The Grain Dealers Journal did the work.—The Raymond P. Lipe Co., Toledo, O.

Lake navigation at Chicago was officially opened April 15 and vessels holding 115,000 bus. of wheat and 1,510,000 of corn cleared for lower lake ports.

The man who is always so busy fussing with petty details that a young clerk could do much better than he can afford to do, never has time to talk with a traveling solicitor, who no doubt, could bring him much information of value regarding what dealers elsewhere are doing and how. The man who knows it all and has learned it by his own experiences is much older than Methuselah. Contact with other members of the trade either at the conventions or through the trade journals helps every man to profit by the experiences of his brothers, but if he will not take time to attend the conventions or even to read, he will very likely continue a moss-back, a back number, because knowledge is not obtainable by inspiration.

## A NEW PROCESS GRAIN SEPARATOR.

The perfect separation of oats from wheat is a problem of such difficulty that the means by which this has been accomplished afford a splendid example of inventive ability.

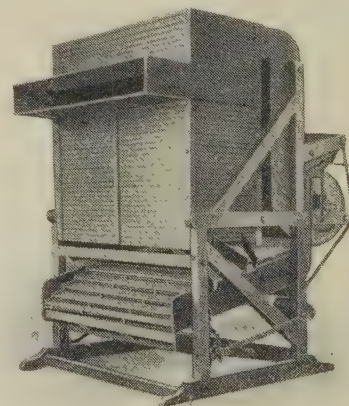
By repeating the sieving of the material nine times, perfect separations of the oats and wheat are said to be made by the machine of which a sectional view is given in the engraving herewith. This sieving operation is preceded by a strong blast, the combination of air and sieve separation being very simple, the economy, efficiency and large capacity being obtained by the compact design and the scientific proportioning of the working parts.

From the feed hopper the grain is conducted directly into the blast, which can be regulated to the exact amount for the grain being cleaned. The blast spreads the grain, acting separately on each kernel. The air duct is partitioned into compartments, compelling the grain entering each to remain there while subjected to the blast, the grain being carried directly up, the heavier grain being carried only a short distance while the lighter may be carried to the top of the air duct. The good grain drops back in the vacuum which is formed in the back part of the air duct, while light stuff such as dust, fine dirt, chaff, small pin oats and fine seed is carried on over into the dust chamber. Here everything settles and nothing but the clear air is spouted out of the elevator. The dust and chaff is all condensed and retained in the by-product, so as to maintain gross weights. The grain and everything heavier is delivered from the air duct upon the upper one of a gang of 9 zinc sieves, 5 of which are fastened to the frame, and 4 simply attached at the top and resting on rods at the bottom, the arrangement being shown in the engraving herewith. By this operation everything larger than the grain which is being cleaned is scalped and the grain drops upon the screen in the lower shoe. A patented cleaning bar keeps this screen clean at all times.

The screen completes the separation by removing everything smaller than the grain but which may have been heavy enough to go thru the blast and small enough to go thru the sieves.

The feed starts and stops automatically with the machine and is adjustable to obtain a steady and well distributed stream. The frame, braces and cross pieces of the machine are made of well seasoned maple and are rodged and bolted at every joint to insure rigidity and perfect alinement.

The machine is an all-round cleaner





and separator, handling wheat, barley, oats, timothy, clover, alfalfa and any other grain and seed, as well as flaxseed. Additional information will be given readers on application to the manufacturers, the Fosston Mfg. Co., Merriam Park (St. Paul) Minn.

## BELTING NEEDED FOR LEGS AND CONVEYORS.

BY R. H. GEIER.

Operators of grain elevators recognize that one of the chief items in the cost of equipment and maintenance of their plant is that of belting. Hence this subject is deserving of careful consideration and investigation before investment is made.

Some belting will go to pieces before it is worn out because the plies have become separated or the seams have been opened. Various uses of belting are found to be most economically satisfied by different number of plies and widths. For continued use, it does not pay to buy the cheapest quality, but only that which will give the best and longest service.

By careful collection of data through a long period of time W. H. Salisbury & Co. have made the following observations, as to the most economical belting for various elevator purposes: For conveying purposes 4-ply solid woven rubber belt can be used up to 24 ins. in width; from 24 in. to 36 in. wide, 5-ply has proven most satisfactory because of greater strength, holding the lacings better, having more body and giving less stretch. Conveyor belts are usually long belts and do extra heavy work; for this reason, belts 38 in. to 42 in. wide should be 6-ply, altho 5-ply will give good results.

For elevator legs, 5-ply can be used in belts as wide as 16 in., but 6-ply will prove more economical in the end. From 18 to 24 in. in width the belt should be 6-ply or 7-ply. All leg belts over 24 ins. in width should be 8-ply, and in marine legs 10-ply will be the cheapest in the long run.

By using heavy leg belts stretch is reduced to a minimum and the strain on the belts at the bolts where cups or buckets are attached is materially reduced. The heavy belt also reduces the danger of destroying the belt in the event of a severe "choke" which frequently occurs in the boot of the leg.

When such a thing occurs, something must give away and with a belt sufficiently strong the cups will be crushed and the belt saved. Cups cost less than belts.

Our observations are that pulley conditions are usually good in all the elevators. We find they are using pulleys from 6 ft. to 7 ft. in diameter at the heads of all elevator legs, which is sufficient and 24 in. to 30 in. pulleys at the lower end of the leg, which also is good and probably as large as could be used.

Modern elevators are equipped with 30 in. pulleys in legs, requiring fewer belts for that purpose, but greater conveying capacity is required, therefore more conveyor belts are used.

Above all and clearly outlined, stands the fact that Solid Woven Rubber Belting if used of proper widths and weights as above suggested is in every feature superior. It has no plies to separate, neither are there any seams to split, then again, the belt by actual wear can wear through several of the plies and still give maximum service.

## FINALITY OF INSPECTOR'S CERTIFICATE.

A contract under which Geo. W. Brooke of Nashville, Tenn., plaintiff sold to the Laurens Milling Co., of Laurens, S. C., defendant, 9,600 bus. of No. 2 white corn to be delivered 2 to 6 months later in four equal installments, provided that the weights and grades of the West Nashville public elevator should be final.

Two cars were shipped, accepted and paid for; but two other cars on arrival were moldy, damp, mildewed and fit only for hog feed, and on being rejected seller sold the unshipped corn for buyer's account and brot suit for damages on account of breach of contract.

Plaintiff requested the court to charge the jury that there was no competent testimony impeaching the honesty of N. L. Coggins, the inspector of the corn at Nashville, and that the grading of the corn by N. L. Coggins is binding upon both parties. The court held that the certificate of the inspector as to the grade of the corn was final, unless it appears that the inspector did not exercise his honest judgment. The trial court held there was some testimony tending to show that the inspector did not exercise an honest and impartial judgment.

The testimony tended to show that the inspector had previously been in the employment of plaintiff, and at the time of the inspection was in the employ of the West Nashville Public Elevator, having the grain in storage, of which corporation plaintiff was not only stockholder, but a managing director. Plaintiff testified: "His business is to inspect and grade for the public grain in and out. We buy grain from the West on his inspection, and sell it to the Southeast on his inspection. We seldom ever see a car of it ourselves." This all tended to place the inspector in a relation in which his interest as employee might subject him to the imputation of bias in favor of the plaintiff in fixing grades as against a purchaser in another state. It appeared also that "No. 2 white corn" meant "corn fifteen-sixteenths white, dry, sound, and reasonably clean"; that such corn would admit of 1/16 red or yellow grains, with some few damaged grains; that such corn would not ordinarily damage so as to change grade in 10 or 15 days, owing to weather conditions; that one of the cars of corn shipped and rejected arrived 8 or 9 days, and the other 4 or 5 days, after shipment, and was then found to be damp, moldy, mildewed, and unfit for milling purposes, and fit only for hog feed. It was a question for the jury to determine whether the failure of the inspector to discover the dampness of the corn was the result of an honest mistake of judgment. Tracing the circumstances, if true, back to the shipment, the corn may have been so damp that any inspector exercising reasonable inspection could not have failed to discover its condition, and could not have honestly classed it as dry corn. The decision of the circuit court in favor of defendant was affirmed.—66 S. E. 296.

The latest plan to settle trouble over Bs/L between foreign buyers and American shippers of raw cotton is the establishment of a clearing house or "central office" in New York. It is thot that the adoption of such a plan will do away with the existing difficulties and obviate the "bank guarantee" originally demanded by European bankers after the issuance last year of a number of forged Bs/L by Southern cotton brokers.

Buy a  
**SONANDER**  
Automatic Scale  
and you won't have to guess  
**THE WINTERS-COLEMAN SCALE CO.**  
SPRINGFIELD, OHIO

No Elevator is  
Completely Equipped  
WITHOUT A STOCK OF  
**KENNEDY**  
Car Liners


They Prevent Leakage in Transit  
Are Easily Installed  
and Low in Cost

The best **proof** of their efficiency is the fact that **nine-tenths** of the shippers who have used them in former years have sent **repeat orders**.

They serve as an insurance against these troublesome losses, at an average cost of but a few cents per car.

Write us today for information  
**FRED. W. KENNEDY**  
SHELBYVILLE, IND.

N. B. Send us your hat size for one of our elevator caps

  
**The National City Bank of Chicago**

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## Patents Granted

**Car Seal.** No. 990,540. (See cut.) James P. Gallager, Muskogee, Okla. A seal made from a piece of sheet metal and provided with a casing at one end, the casing having an integral curved spring and an integral hook bearing upon the spring at its terminal end, the casing having an opening to admit the locking end of the shackle and extending in opposite direction to the hook within the casing, the hooks extending entirely across the width of the casing and shackle.

**Grain Car Door.** No. 991,248. (See cut.) Charles E. Sievert, Council Bluffs, Ia. A sliding door including a guideway, an upper door section slidable on the guideway, a lower door section, a horizontally slidable engagement between the door sections, a vertically slidable engagement between the ends of the door sections, a hanger slidable on the guideway, a vertically slidable engagement between the lower door section and the hanger, and means to adjust the lower door section on the upper door section and the hanger.

**Automatic Weighing and Filling Machine.** No. 991,305. (See cut.) Frederick J. Heybach, Baltimore, Md. In a weighing machine, the combination of weighing mechanism, means including a valve for supplying material thereto, means for operating this valve to supply a loading stream, and subsequently to supply a balancing stream; a valve closer having power to complete the closure and to cut off the balancing stream, and means for automatically restoring this valve to normal position upon the completion of each weighing operation.

**Seal.** No. 990,629. (See cut.) Edward J. Brooks, East Orange, N. J. A press-fastenable seal composed of a seal part of sheetmetal constructed with two pairs of threading holes and two pairs of lips adapted to be curled inward and to form passage-ways between the holes, and a flexible shackle the ends of which are adapted to be threaded thru the pairs of holes respectively and thru the communicating passage-ways formed by a pair of the curled lips parallel with each other and to be secured against withdrawal by the compression of the lips last named in a seal press.

**Bag Seal.** No. 990,630. (See cut.) Edward J. Brooks, East Orange, N. J. A bag seal having, in combination, a cord forming a pair of loops adapted to embrace the neck of a bag, and a compressible lead seal part having threading holes including separated side-holes and a double-width middle hole, thru which latter the ends of the cord protrude opposite the loops; said seal part being further constructed with an edge recess connecting with side holes and communicating with the middle hole, and adapted to inclose a loop-connecting portion of the cord crossing the returned ends within the recess.

**Scale with Automatically-Issued Record-Cards.** No. 991,343. (See cut.) Peter Meyer, Cologne-Nippes, Germany. A weighing scale having a weighing platform and a card printing mechanism arranged in connection therewith, comprised of a rotary indicator displaceable axially, means for rotating the indicator and for axially displacing same for securing an imprint therefrom; and in combination therewith a holder for a stack of record cards and means for automatically taking a card from the stack, presenting it to the printing mechanism and ejecting it after the printing of an impression thereon.

**Storage System for Seed-Corn.** No. 991,351. (See cut.) Merton L. Northrup, Lewis, Ia. A system for storage of seed corn, comprising, in combination with a rectangular building having openings in its end walls; a plurality of narrow, rectangu-

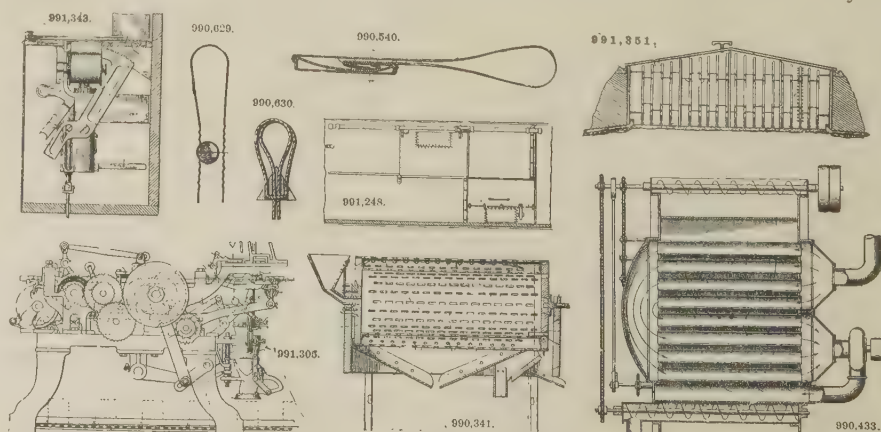
lar frames provided on their sides with grids whose openings provide oppositely disposed compartments for containing ears of corn. The end of each frame at its lower terminal is provided with a single supporting-roller, and the frames are arranged side-by-side to form sections. The sections are so engaged together and to the side wall as to be maintained in a substantially parallel and vertical position, and in alinement with the openings at the end walls.

**Drier.** No. 990,433. (See cut.) Chas. E. Geiger, Louisville, Ky., assignor of one-third to William E. Koop and one-third to G. Walter Fiske, Louisville, Ky. A drier having, in combination, a heating element consisting of a pipe system in which the heating medium circulates and a drying chamber within which such heating element is situated, provided with means for controlling the advance thru it of the material treated; means for impelling the heating medium thru the pipe system and for forcing it after its discharge from the pipe system thru the material to be treated in the drying chamber, the chamber having at distributed points in its height means for permitting the free escape of the heating medium.

**Rotary Corn Grader.** No. 990,341. (See cut.) Orral E. Craig, Isabel, Ill. In a separator of the character described, a trough, seed deflecting plates arranged in the bottom of the trough whereby a series of discharge passages are formed therein, grain conducting chutes connected with the passages, a separating screen revolvably mounted in the trough, the screen comprising inner and outer cylinders having perforations of different size and the outer cylinder having formed therein near one end a series of discharge passages whereby the seed or grain too large to pass thru the perforations thereof are discharged therefrom, heads to close the opposite ends of the cylinders, one of the heads having formed therein discharge passages communicating with the inner cylinder whereby the grain or seed too large to pass through the perforations of the inner cylinder are discharged therefrom, seed deflecting flanges formed on the discharge passages of the inner and outer cylinders whereby the grain or seed is prevented from clogging the passages and means whereby the grain or seed is fed to the inner cylinder.

To obtain a decision of the constitutionality of the federal anti-bucketshop law, Attorney Gen. Wickersham has ordered an appeal to the court of appeals of the District of Columbia in the cases of the 13 alleged bucketshop operators arrested last spring in various cities.

Delegates and representatives have been appointed by the grain exchanges of New York, Minneapolis, St. Louis, Chicago and Toledo to attend the semi-annual meeting of the Council of North American Grain Exchanges at Milwaukee, June 28-29. A delegation is promised by New Orleans.



## Feedstuffs

A cotton seed lunch was served at Ennis, Tex., to a delegation of Chicago merchants, Apr. 26. Bread, cake, toast and coffee were made of cotton seed.

The Beck Cereal Co. of Detroit, Mich., was fined recently on allegation that stock feed shipped contained no starch and hulls had been added, and was misbranded.

A bill before the Michigan legislature provides for putting the licensing and regulation of concentrated commercial feeding stuffs under the jurisdiction of the sec'y of the state board of control.

The Western Grain & Sugar Products Co. of Agnew, Cal., has been registered Trade Mark No. 51,533 consisting of the word "Evergreen" to designate its brand of prepared stock food.

The Northwest Mills Co. of Winona, Minn., which manufactures "Sugarota," was fined because the product was alleged to contain brewer's grains, hominy feed, weed seeds and malt sprouts, and was misbranded.

A meeting of the executive committee of the Ass'n of Feed Control Officials will be called by Chairman C. D. Woods of the Maine Exp. Sta., Orono, Me., to be held May 25, 26 or 27 at Indianapolis, Ind.

Millfeed shipments into the New England states by Canadian millers in some instances have resulted in heavy loss by reason of customs officials valuing the feed regardless of time of sale and place of origin.

The annual convention of the American Feed Manufacturers Ass'n will be held at Indianapolis, Ind., May 26-27, with headquarters at the Claypool Hotel. J. H. Genung, of the American Hominy Co., Indianapolis, is pres. of the Ass'n.

The Alabama state department of agriculture has issued a warning that in the future the law which requires that a stamp be affixed to every sack of feedstuffs will be strictly enforced. Goods not so stamped will be confiscated and the manufacturers heavily fined.

The sales for feedingstuffs in the West Indies and Central and South America are very limited. For some reason or another, the natives have never found out that protein appeals to the mammillary glands. The cows of those countries do not produce milk. The chief supply is from goats. Consequently, this country has sold to those countries milk, both evaporated and condensed. It may be



said that if we sell the farmer our protein products here to make milk, we can sell our protein products there. That is another method of distribution. We are raising the milk and sending it there.—U. S. Special Agent J. M. Turner, before Millers National Federation.

Kansas City received during April 560 tons and shipped 5,440 tons of bran, compared with 320 tons received and 6,480 tons shipped in April, 1910.—E. D. Bigelow, sec'y Board of Trade.

The feeding-stuffs law of the state of Kansas has been amended so as to include all mixed feeds and all feeds the original composition of which have been altered. Formerly, unmixed feeds were not required to be registered. The new law will require that every package of concentrated feed must be plainly labeled with the name and address of the manufacturer or dealer, the weight and the guaranteed percentages of fat, protein and crude fibre. The law also provides that the experiment station shall make an annual inspection and analysis of each brand registered within the state. The law will become effective July 1.

J. D. Turner of Lexington, Ky., sec'y of the Ass'n of Feed Control Officials of the United States, is sending to all interested a copy of the tentative definitions of feeds prepared by a committee of the Ass'n, with a request that suggestions for changes be made to him not later than Sept. 1, that they may be incorporated in the revised definitions to be submitted to the Ass'n at its next meeting. Among the definitions are the following: "Oat shorts or oat middlings are the starchy portion of the oat groats obtained in the milling of rolled oats." "Oat hulls are the outer covering of the oat grain." "Oatclippings are the small hairs, dust and ends of oats separated from the oats in the clipping process and may contain light oats and oat hulls." "Flaxseed meal is the entire flax seed ground." "Alfalfa meal is the entire alfalfa hay ground and does not contain an admixture of ground alfalfa straw or other foreign materials." In the list of false and misleading terms are the following "Misnomers: Barley bran, cotton seed bran, cotton seed meal feed, oat nubbins, elevator feed, flax bran."

## ECONOMY IN KEROSENE FUEL.

Some interesting experiments recently made for the purpose of determining the relative cost of gasoline and kerosene fuel have shown what economy may be practiced by the use of the latter.

Distillate cannot, however, be used alone, as gasoline is necessary to start the engine and also to aid the distillate in vaporizing when sprayed into the cylinder. This is because distillate weighs more and requires a higher temperature of vaporization. Because of this most engines are equipped with two fuel tanks, one for the distillate and another for gasoline.

Scientific experiments have shown that the number of heat units contained in the lower grade petroleum oils are far greater than the amount contained in gasoline and the cost is much less in every part of the country. Lubrication and other expense are found to be the same in both cases and it is believed that familiarity with the use of distillate will disclose still more of the advantages which it undoubtedly possesses. In heavy work such as plowing with a gasoline

traction engine, the use of distillate showed a saving of 61 per cent.

## Books Received

**HINTS FOR FLAX GROWERS** is an instructive 16-page Bulletin No. 24 by the Saskatchewan Dept. of Agri., Regina, Sask.

**THE ALFALFA CATERPILLAR** is described and illustrated in a pamphlet of 14 pages by V. L. Wildermuth, expert of the U. S. Dept. of Agri., who has studied this pest in the Imperial Valley of California, and gives several methods of protection. Circular No. 133, Bureau of Entomology, Dept. of Agri., Washington, D. C.

**WINTER OATS** For the South is the title of a pamphlet by C. W. Warburton containing valuable suggestions for oats growers in the Southern states, discussing the advantages of fall seeding over spring seeding, the varieties best suited to the South and the improvement of the crop, with a map showing the northern limit for winter oats. Farmers Bulletin 436; 32 pages. U. S. Dept. of Agri., Washington, D. C.

**SMUTS OF GRAIN CROPS** are described in popular language and copiously illustrated by Professors Freeman and Stakman of the University of Minnesota, who give the life history of the different kinds of smut on wheat, oats, barley, sorghum and millet, with the different methods of seed treatment, and a description of the spreading of corn smut from the manure pile. Bulletin No. 122; Minnesota Agri. Exp. St., St. Paul, Minn.

**INSECTS AFFECTING STORED CEREALS.**—The comprehensive work contemplated by the U. S. Department of Agriculture on insects that affect stored cereals will not be completed for some time, so a list of names of insects and the grains they feed upon has been published in advance by the Bureau of Entomology as Part I of Bulletin No. 96, describing in detail also the Mexican grain beetle and the Siamese grain beetle, the latter having become firmly established in North and South America. U. S. Dept. of Agriculture, Washington, D. C.

**THE MILLERS' ALMANACK** for 1911-12 just issued, is replete with flour and grain statistics on crops, imports and exports by countries, lists of private and public elevators at different markets, receipts and shipments of grain and flour at different markets, prices, freight rates, milling capacities, tariffs of the world on wheat and flour, names of officials of all millers ass'ns and interesting history of the grain exchanges. On the front cover is an artistic water color of an old mill by the Northwestern Miller's painter, G. E. Graves. As a reference in the flour trade office or for grain shippers dealing with millers this Almanack will be found invaluable. Published by the Northwestern Miller, Minneapolis, Minn. Paper, 120 pages; price, 50 cents.

**THE ALFALFA WEEVIL** which is found in Utah from Salt Lake south to Provo and north to Ogden, and is being diffused with great rapidity into adjoining states, is fully described and illustrated for the first time in a 9-page pamphlet by Professor F. M. Webster of the Bureau of Entomology. It is a beetle less than ¼ inch in length and totally destroys the plant. Since its discovery 4 years ago the weevil has spread over 100 square miles of territory. Experiments at the Utah Station during 1910 failed to discover means of control, and prospects are that this insect will become widely dispersed and destroy the crop. A single plant in the spring has been found to contain 127 egg punctures, each containing from a few to over 30 eggs. If these hatched and 80 per cent of the females passed the winter one plant might in a year give rise to over 150,000 beetles. Circular No. 137, Bureau of Entomology, U. S. Dept. of Agri., Washington, D. C.

Rye and barley prices have been running a neck and neck race toward high records the past month. Both grains are selling well above \$1 per bu.; and the recent sale of No. 2 rye at Chicago at \$1.10 is said to be the highest known.

The appeal by the government in the cotton corner cases of Scales, Patten, Hayne and Brown was docketed in the United States Supreme Court May 5. A decision is expected late this year, defining the application of the Sherman anti-trust act to trade agreements.

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## The Standard

of kiln-dried corn created by the Ellis Method of drying is SUPERIOR because it complies with the highest standard of excellence. The natural color is retained, the breakage is too small to be counted, and of greatest importance it is dried absolutely even.

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**INSURANCE NOTES.**

The Grain Shippers Mutual Fire Insurance Ass'n of Ida Grove, Ia., has recently absorbed the Home Mutual Tornado Ass'n of Cherokee, Ia., with \$656,000 in policies.

E. E. Perry, sec'y of the Indiana Millers Mutual Fire Insurance Co., Indianapolis, Ind., was sadly bereaved May 3 by the death of his wife from a reported stroke of apoplexy. Mr. Perry and his two young daughters have the sympathy of his many friends in the milling and grain trades.

The standing committee on millers' mutual fire insurance appointed by the Millers National Federation in Chicago, Apr. 14, consists of George H. Lewis of Lawrenceburg, Ind.; W. L. Harvey, New Prague, Minn.; H. S. Helm, Minneapolis;

Joseph LeCompte, Lexington, Ky.; J. K. Mullen, Denver, Colo.; and B. W. Marr, Columbus, O.

The hearing on the application for a receiver for the Indiana Millers Mutual Insurance Co., which was to have been held at Indianapolis Apr. 26, has been postponed until June. This suit does not involve the solvency of the company, but relates to the distribution of its assets and the conversion from a mutual into a stock company.

Most of the fires are easily preventible, by the exercise of reasonable care on the part of the property owners in the construction and protection of their buildings, and on the part of the tenants by ordinary precautions and watchfulness. The recent disasters have shocked the public into attention and interest in the matter of the fire waste, and the probability that the

aggregate property losses will reach a quarter of a billion dollars this year, at the present burning rate, should stimulate states and municipalities to action, and should bring home to the individual his personal responsibility for this ruinous waste.

I like the Grain Dealers Journal because it keeps one posted in the grain situation.—D. M. Stauffer, mgr. Weston Grain Co., Weston, Ill.

The Southwestern Millers League was recently organized at Kansas City, Mo. C. V. Topping, of Oklahoma City, Okla., was chosen sec'y and Martin E. Casto, of Wichita, Kan., was appointed traffic mgr. for the league. A meeting of the League will be held at Kansas City, June 12, just preceding the national convention to be held at Niagara Falls, June 14-16.

ORGANIZED 1878

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Insures Elevators, Mills, Grain Warehouses and Contents of same at cost.

Insurance in force - - \$15,104,436.83  
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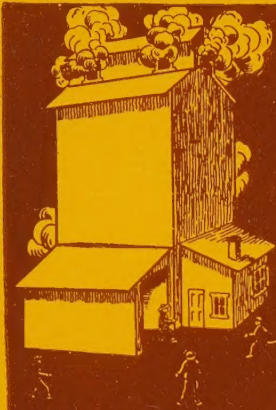
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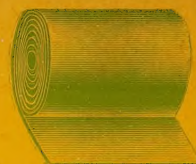
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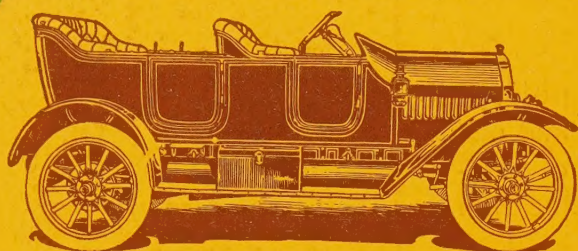
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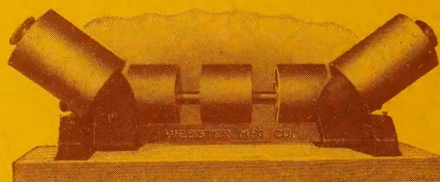
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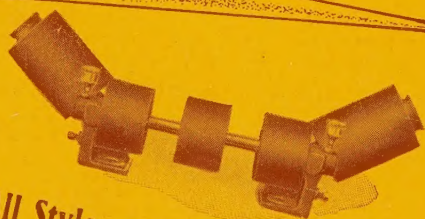
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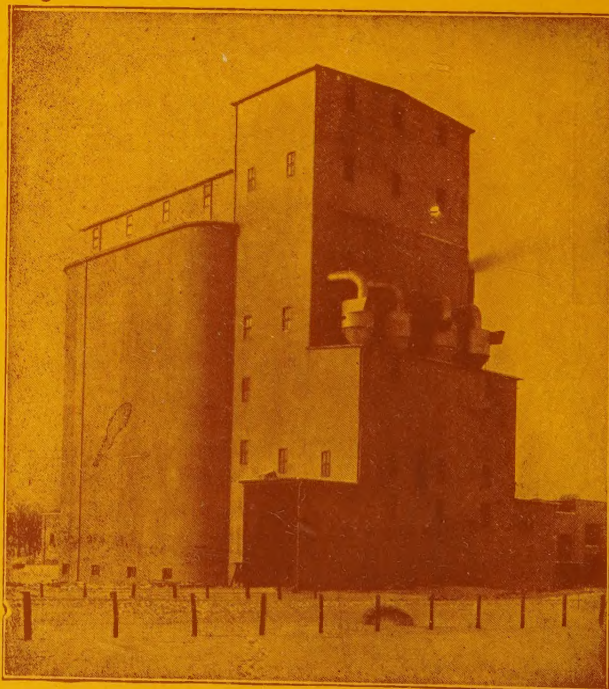
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